

<b>SOLICITATION/CONTRACT</b>				REQUISITION NUMBER		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING		PAGE 1 OF <b>37</b>	
BIDDER/OFFEROR TO COMPLETE BLOCKS 11, 13, 15, 21, 22, & 27. Control, POC Name 045201, TEASDALENA				N66604-4189-018H							
2. CONTRACT NO.		3. AWARD/EFFECTIVE DATE		4. SOLICITATION NUMBER <b>N66604-04-R-5201</b>		5. SOLICITATION TYPE SEALED BIDS (IFB) <input type="checkbox"/> NEGOTIATED (RFP) <input checked="" type="checkbox"/>		6. SOLICITATION ISSUE DATE <b>2004 AUG 24</b>			
7. ISSUED BY Commercial Acquisition Department, Building 11 Naval Undersea Warfare Center Division, Newport Code 5911, Simonpietri Drive Newport, RI 02841-1708  <a href="mailto:TEASDALENA@npt.nuwc.navy.mil">TEASDALENA@npt.nuwc.navy.mil</a> , tel. 401/832-1898				CODE <b>N66604</b>		8. THIS ACQUISITION IS  <input type="checkbox"/> UNRESTRICTED <input checked="" type="checkbox"/> SET ASIDE: <b>100%</b> FOR <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> LABOR SURPLUS AREA CONCERNS <input type="checkbox"/> COMBINED SMALL BUSINESS & LABOR SURPLUS AREA CONCERNS <input type="checkbox"/> OTHER:					
				NO COLLECT CALLS		NAICS CODE <b>335999</b>		SIZE STANDARD <b>500 employees</b>			
9. <b>SOLICITATION:</b> SEALED OFFERS IN ORIGINAL AND <b>2</b> COPIES WILL BE RECEIVED BY THE ISSUING OFFICE IDENTIFIED IN BLOCK 7, UNTIL 2:00 P.M. (LOCAL TIME ZONE) ON <b>2004 OCT 05</b> . LATE OFFERS ARE SUBJECT TO LATE BID OR PROPOSAL PROVISIONS INCORPORATED HEREIN. ALL OFFERS ARE SUBJECT TO SUCH PROVISIONS, REPRESENTATIONS, CERTIFICATIONS AND SPECIFICATIONS AS ARE ATTACHED OR INCORPORATED BY REFERENCE. <b>SEE PROVISION L1 or L2 FOR SPECIFIC INSTRUCTIONS.</b>											
10. ITEMS TO BE PURCHASED (BRIEF DESCRIPTION) <input checked="" type="checkbox"/> SUPPLIES <input type="checkbox"/> SERVICES    Electrical Hull Fittings (EHF), including both insert and body											
11. IF OFFER IS ACCEPTED BY THE GOVERNMENT WITHIN <u>150</u> CALENDAR DAYS (60 CALENDAR DAYS UNLESS OFFEROR INSERTS A DIFFERENT PERIOD) FROM THE DATE SET FORTH IN BLOCK 9 ABOVE. THE CONTRACTOR AGREES TO HOLD ITS OFFERED PRICES FIRM FOR THE ITEMS SOLICITED HEREIN AND TO ACCEPT ANY RESULTANT CONTRACT SUBJECT TO THE TERMS AND CONDITIONS STATED HEREIN.						12. ADMINISTERED BY _____ CODE _____					
13. CONTRACTOR OFFEROR CODE _____ FACILITY CODE _____  TELEPHONE NO. _____ DUNS NO. _____ <input type="checkbox"/> CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER						PAS# _____ SCD _____ 14. PAYMENT WILL BE MADE BY _____ CODE _____  SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK: <b>Per E9</b>					
15. PROMPT PAY DISCOUNT						16. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION 10 U.S.C. 2304 (C) <input type="checkbox"/> 41 U.S.C. 253 (C) <input type="checkbox"/>					
17. ITEM NO.	18. SCHEDULE OF SUPPLIES/SERVICES					19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT		
	(SEE PAGE 2)										
DIST:											
23. ACCOUNTING AND APPROPRIATION DATA								24. TOTAL AWARD AMOUNT (FOR GOVT. USE ONLY)			
25. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN <b>3</b> COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY CONTINUATION SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.						26. AWARD OF CONTRACT: YOUR OFFER ON SOLICITATION NUMBER SHOWN IN BLK 4 INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: <b>ALL ITEMS</b>					
27. SIGNATURE OF OFFEROR/CONTRACTOR						28. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)					
NAME AND TITLE OF SIGNER (TYPE OR PRINT)						NAME OF CONTRACTING OFFICER					
DATE SIGNED						DATE SIGNED					

NO RESPONSE FOR REASONS CHECKED			
	CANNOT COMPLY WITH SPECIFICATIONS		CANNOT MEET DELIVERY REQUIREMENT
	UNABLE TO IDENTIFY ITEM(S)		DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED
	OTHER (Specify)		
	WE DO	WE DO NOT, DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE OF ITEM(S) INVOLVED	
NAME AND ADDRESS OF FIRM (Include Zip Code)		SIGNATURE	
		TYPE OR PRINT NAME AND TITLE OF SIGNER	

FROM:

AFFIX STAMP HERE

TO: Commercial Acquisition Department, Building 11

Naval Undersea Warfare Center Division, Newport

Code 591, Simonpietri Drive

Newport, RI 02841-1708

SOLICITATION NO. N66604-04-R-5201

DATE AND LOCAL TIME 2004 OCT 05, 2:00 P.M.

**SECTION B SUPPLIES OR SERVICES AND PRICES/COSTS**

**B10 SUPPLIES/SERVICES AND PRICES - FFP**

<u>ITEM</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>U/PRICE</u>	<u>AMOUNT</u>
0001	LEVEL 1/SUBSAFE WSQ-9 Electrical Hull Fittings, per clause C10 documents, to be delivered to the following locations (as detailed in clause F18R):				
0001AA	Puget Sound Naval Shipyard, Bremerton WA	2	EA	\$ _____	\$ _____
0001AB	Norfolk Naval Shipyard, Norfolk, VA	2	EA	\$ _____	\$ _____
0002	Data per Exhibit "A", Contract Data Requirements List (CDRL) DD Form 1423	1	LO	<u>NSP</u>	<u>NSP</u>
0003	<u>OPTION #1</u> LEVEL 1/SUBSAFE WSQ-9 Electrical Hull Fittings, per clause C10 documents, to be delivered to the following locations (as detailed in clause F18R):				
0003AA	Puget Sound Naval Shipyard, Bremerton WA	2	EA	\$ _____	\$ _____
0003AB	Norfolk Naval Shipyard, Norfolk, VA	2	EA	\$ _____	\$ _____
0004	Data per Exhibit "A", Contract Data Requirements List (CDRL) DD Form 1423	1	LO	<u>NSP</u>	<u>NSP</u>
0005	<u>OPTION #2</u> LEVEL 1/SUBSAFE WSQ-9 Electrical Hull Fittings, per clause C10 documents, to be delivered to the following locations (as detailed in clause F18R):				
0005AA	Puget Sound Naval Shipyard, Bremerton WA	4	EA	\$ _____	\$ _____
0005AB	Norfolk Naval Shipyard, Norfolk, VA	4	EA	\$ _____	\$ _____
0005AC	Naval Engineering Logistics Office, Norfolk, VA	1	EA	\$ _____	\$ _____
0006	Data per Exhibit "A", Contract Data Requirements List (CDRL) DD Form 1423	1	LO	<u>NSP</u>	<u>NSP</u>

Offerors shall complete the unit price and amount blocks.

NSP= Not Separately Priced- Price is to be included in the unit prices for the preceding CLIN/SLINs.

**B35 OFFERS FOR LESS THAN THE TOTAL QUANTITY**

Offers for less than the total quantity for all items specified are not desired and may be determined to be unacceptable.

**B42 OPTIONS**

The additional items of supplies or services available under the Options clause of this contract, the applicable Line Item, and the exercise dates are specified below:

<u>OPTION NO.</u>	<u>LINE ITEM NO.</u>	<u>EXERCISE DATE</u>
1	0003	2005 JUL 01
2	0005	2006 JUL 01

**SECTION C DESCRIPTION / SPECIFICATIONS/WORK STATEMENT**

**C10 SPECIFICATIONS, AMENDMENTS OR REVISIONS APPLICABLE**

SUPPLIES to be furnished under the contract shall comply with the following Descriptions or Specifications:

ITEM      DESCRIPTION/SPECIFICATION

1) Electrical Hull Fitting (EHF) drawing package, consisting of:  
Dwg. 413-7502540 Rev. C (10 sheets)

2) Procurement Specification, NAVSEA No. 413-7502540 Initial Revision  
(11 pages, including cover pages)

and other standards as noted in applicable clauses.

**C30 MERCURY EXCLUSION - A**

(a) The supplies furnished under this contract shall not contain any functional mercury. Functional mercury is that elemental mercury or mercury compound required for proper operation of the supplies or, without the presence of which the supplies would fail to function properly. The presence of "functional mercury" will be cause for rejection of supplies.

(b) External contamination by elemental mercury or mercury compounds will be cause for rejection of the supplies. If external mercury contamination is suspected, the following test can be used to determine if compounds exist. Enclose the equipment in a close-fitting polyethylene bag or air-tight container. The air volume inside the container should be approximately twice the volume of the item or component being tested. Place the bag or container in an oven at 125°F±5°F (52°C±3°C) for one hour. Sample the trapped air and if mercury vapor concentration is .01 mg/cu meter or more, the material is contaminated insofar as the requirements of this contract are concerned. Mercury vapor concentration can be determined with mercury vapor detector such as portable General Electric Vapor Detector (Catalog Number 825755G-3); Beckman Instrument, Model K-23; Thermotron Corporation Mercometer, Model 2006-IPR; Sunshine Instantaneous Vapor Detector (Catalog Number 38D); or other. Certain vapors such as benzene interfere with this type of mercury vapor detector and the detector should never be zero adjusted in any suspect atmosphere. An alternate procedure to determine mercury contamination is to have a portion of the item or component (not less than 10 percent of the area suspected of being contaminated) enclosed in a close-fitting polyethylene bag or air-tight container for eight hours at room temperature (76°F±10°F). Then the enclosed environment is analyzed for mercury using the above method.

Note: Not all classes of mercury compounds will be volatile at 125°F. Therefore, consideration should be given to supplementary chemical analysis.

(c) The Contractor will notify the Contracting Officer, prior to proceeding with a manufacture or shipment, if the presence of functional mercury is suspected. The Contractor shall conduct suitable tests to verify this suspicion.

**C31      MERCURY EXCLUSION - B**

The supplies furnished under this contract shall be free from mercury contamination (i.e., during the manufacturing process, tests or inspections), in accordance with NAVSEA INSTRUCTION 5100.3D. The supplies offered shall not have come in direct contact with mercury or any of its compounds nor with any mercury containing devices employing only a single boundary of containment. (A single boundary of containment is one which is not backed by a second seal or barrier to prevent contamination in event of rupture of the primary seal or barrier).

**C54      UPDATING SPECIFICATIONS AND STANDARDS (NAVSEA) (AUG 1994)**

If, during the performance of this or any other contract, the contractor believes that any contract contains outdated or different versions of any specifications or standards, the contractor may request that all of its contracts be updated to include the current version of the applicable specification or standard. Updating shall not affect the form, fit or function of any deliverable item or increase the cost/price of the item to the Government. The contractor should submit update requests to the Procuring Contracting Officer with copies to the Administrative Contracting Officer and cognizant program office representative for approval. The contractor shall perform the contract in accordance with the existing specifications and standards until notified of approval/disapproval by the Procuring Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.

**SECTION D      PACKAGING AND MARKING**

**D12R      MARKING OF SHIPMENTS - DEFENSE ITEMS**

(a) Marking shall be in accordance with MIL-STD-129P, "Marking of Shipment and Storage" (with change 2) dated 10 FEB 2004 and MIL-STD-130L, "Identification Marking of U.S. Military Property" dated 10 OCT 2003.

(b) The contractor shall identify any package containing LEVEL 1 or LEVEL 1/SUBSAFE components or devices by marking the container with letters indicating either "LEVEL 1 MATERIAL" or "LEVEL 1/SUBSAFE MATERIAL" and the unique component or device serial number. The marking shall be placed on the upper half of each end of the container in two-inch black or red letters.

(c) Shipment documentation shall identify all LEVEL 1 or LEVEL 1/SUBSAFE material as such and shall include part number(s), drawing number(s), serial number(s), nomenclature description(s), Material Identification and Control (MIC) number(s), and estimated value(s) for positive identification of each item.

(d) Additionally, the Contractor shall mark all packages with the following:

Contract Number: (from SF1447, block 2)

**D20      DELIVERY OF DATA (SEP 2001)**

(a) Data furnished hereunder shall be adequately packaged to assure safe delivery at destination.

(b) Transmittal of classified information by mail shall be in accordance with the National Industrial Security Program Operating Manual (NISPOM) for Safeguarding Classified Information (DOD 5220.22-M).

(c) All copies of CDRL items under this contract, regardless of distribution, shall be marked on the report cover with the following information:

Naval Undersea Warfare Center Division, Newport  
Contract, Order, and ELIN Numbers  
Report Title  
Date of Report  
Contractor Name (division which generated the report)

**D23R      PREPARATION FOR DELIVERY - MILITARY PACKAGING**

Packaging shall be in accordance with MIL-STD-2073-1D Change Notice 1 dated 10 MAY 2002 "Standard Practice for Military Packaging.

## **D24 PROHIBITED PACKING MATERIALS**

The use of asbestos, excelsior, newspaper or shredded paper (all types including waxed paper, computer paper and similar hygroscopic or non-neutral material) is prohibited. In addition, loose fill polystyrene is prohibited for shipboard use.

## **D100 ITEM IDENTIFICATION AND VALUATION (DFARs 252.211-7003)(JAN 2004)**

(a) *Definitions.* As used in this clause—

“Automatic identification device” means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

“Commonly accepted commercial marks” means any system of marking products for identification that is in use generally throughout commercial industry or within commercial industry sectors. Some examples of commonly accepted commercial marks are: EAN.UCC Global Trade Item Number; Automotive Industry Action Group B-4 Parts Identification and Tracking Application Standard, and B-2 Vehicle Identification Number Bar Code Label Standard; American Trucking Association Vehicle Maintenance Reporting Standards; Electronic Industries Alliance EIA 802 Product Marking Standard; and Telecommunications Manufacturers Common Language Equipment Identification Code.

“Concatenated unique item identifier” means—

- (1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or
- (2) For items that are serialized within the original part number, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, original part number, and serial number within the part number.

“Data qualifier” means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

“DoD recognized unique identification equivalent” means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at <http://www.acq.osd.mil/uid>.

“DoD unique item identification” means marking an item with a unique item identifier that has machine-readable data elements to distinguish it from all other like and unlike items. In addition—

- (1) For items that are serialized within the enterprise identifier, the unique identifier shall include the data elements of issuing agency code, enterprise identifier, and a unique serial number.
- (2) For items that are serialized within the part number within the enterprise identifier, the unique identifier shall include the data elements of issuing agency code, enterprise identifier, the original part number, and the serial number.

“Enterprise” means the entity (i.e., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

“Enterprise identifier” means a code that is uniquely assigned to an enterprise by a registration (or controlling) authority.

“Government’s unit acquisition cost” means—

- (1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery; and
- (2) For cost-type line, subline, or exhibit line items, the Contractor’s estimated fully burdened unit cost to the Government for each item at the time of delivery.

“Issuing agency code” means a code that designates the registration (or controlling) authority.

“Item” means a single hardware article or unit formed by a grouping of subassemblies, components, or constituent parts required to be delivered in accordance with the terms and conditions of this contract.

“Machine-readable” means an automatic information technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

“Original part number” means a combination of numbers or letters assigned by the enterprise at asset creation to a class of items with the same form, fit, function, and interface.

“Registration (or controlling) authority” means an organization responsible for assigning a non-repeatable identifier to an enterprise (i.e., Dun & Bradstreet’s Data Universal Numbering System (DUNS) Number, Uniform Code Council (UCC)/EAN International (EAN) Company Prefix, or Defense Logistics Information System (DLIS) Commercial and Government Entity (CAGE) Code).

“Serial number within the enterprise identifier” or “unique serial number” means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

“Serial number within the part number” or “serial number” means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part number assignment.

“Serialization within the enterprise identifier” means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

“Serialization within the part number” means each item of a particular part number is assigned a unique serial number within that part number assignment. The enterprise is responsible for ensuring unique serialization within the part number within the enterprise identifier.

“Unique item identification” means marking an item with machine-readable data elements to distinguish it from all other like and unlike items.

“Unique item identifier” means a set of data marked on items that is globally unique, unambiguous, and robust enough to ensure data information quality throughout life and to support multi-faceted business applications and users.

“Unique item identifier type” means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at <http://www.acq.osd.mil/uid>.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) *Unique item identification.*

(1) The Contractor shall provide DoD unique item identification, or a DoD recognized unique identification equivalent, for—

- (i) All items for which the Government’s unit acquisition cost is \$5,000 or more; and
- (ii) The following items for which the Government’s unit acquisition cost is less than \$5,000:  
Contract Line, Subline, or  
Exhibit Line Item Number Item Description

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(iii) Subassemblies, components, and parts embedded within items as specified in Exhibit Number \_\_\_\_\_ or Contract Data Requirements List Item Number \_\_\_\_\_.

(2) The unique item identifier and the component data elements of the unique item identifier shall not change over the life of the item.

(3) *Data syntax and semantics.* The Contractor shall—

(i) Mark the encoded data elements (except issuing agency code) on the item using any of the following three types of data qualifiers, as specified elsewhere in the contract:

(A) Data Identifiers (DIs) (Format 06).

(B) Application Identifiers (AIs) (Format 05), in accordance with ISO/IEC International Standard 15418, Information Technology – EAN/UCC Application Identifiers and ASC MH 10 Data Identifiers and ASC MH 10 Data Identifiers and Maintenance.

(C) Text Element Identifiers (TEIs), in accordance with the DoD collaborative solution “DD” format for use until the final solution is approved by ISO JTC1/SC 31. The DoD collaborative solution is described in Appendix D of the DoD Guide to Uniquely Identifying Items, available at <http://www.acq.osd.mil/uid>; and

(ii) Use high capacity automatic identification devices in unique identification that conform to ISO/IEC International Standard 15434, Information Technology – Syntax for High Capacity Automatic Data Capture Media.

(4) *Marking items.*

(i) Unless otherwise specified in the contract, data elements for unique identification (enterprise identifier, serial number, and, for serialization within the part number only, original part number) shall be placed on items requiring marking by paragraph (c)(1) of this clause in accordance with the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code—

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) *Commonly accepted commercial marks.* The Contractor shall provide commonly accepted commercial marks for items that are not required to have unique identification under paragraph (c) of this clause.

(e) *Material Inspection and Receiving Report.* The Contractor shall report at the time of delivery, as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Description.\*

(2) Unique identifier,\*\* consisting of—

(i) Concatenated DoD unique item identifier; or

(ii) DoD recognized unique identification equivalent.

(3) Unique item identifier type.\*\*

(4) Issuing agency code (if DoD unique item identifier is used).\*\*

(5) Enterprise identifier (if DoD unique item identifier is used).\*\*

(6) Original part number.\*\*

(7) Serial number.\*\*



- (8) Quantity shipped.\*
- (9) Unit of measure.\*
- (10) Government's unit acquisition cost.\*
- (11) Ship-to code.
- (12) Shipment date.
- (13) Contractor's CAGE code or DUNS number.
- (14) Contract number.
- (15) Contract line, subline, or exhibit line item number.\*
- (16) Acceptance code.

\* Once per contract line, subline, or exhibit line item.

\*\* Once per item.

(f) *Material Inspection and Receiving Report for embedded subassemblies, components, and parts requiring unique item identification.* The Contractor shall report at the time of delivery, as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

- (1) Unique item identifier of the item delivered under a contract line, subline, or exhibit line item that contains the embedded subassembly, component, or part.
- (2) Unique item identifier of the embedded subassembly, component, or part, consisting of—
  - (i) Concatenated DoD unique item identifier; or
  - (ii) DoD recognized unique identification equivalent.
- (3) Unique item identifier type.\*\*
- (4) Issuing agency code (if DoD unique item identifier is used).\*\*
- (5) Enterprise identifier (if DoD unique item identifier is used).\*\*
- (6) Original part number.\*\*
- (7) Serial number.\*\*
- (8) Unit of measure.
- (9) Description.

\*\* Once per item.

(g) The Contractor shall submit the information required by paragraphs (e) and (f) of this clause in accordance with the procedures at <http://www.acq.osd.mil/uid>.

(h) *Subcontracts.* If paragraph (c)(1)(iii) of this clause applies, the Contractor shall include this clause, including this paragraph (h), in all subcontracts issued under this contract.

## SECTION E INSPECTION AND ACCEPTANCE

The following contract clauses are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.246-2	INSPECTION OF SUPPLIES - FIXED PRICE	(AUG 1996)
52.246-16	RESPONSIBILITY FOR SUPPLIES	(APR 1984)

252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT

(MAR 2003)

**E9 INSPECTION AND ACCEPTANCE - ORIGIN AND DESTINATION (HARDWARE) – (AUG 1999)**

- (a) Initial inspection and acceptance of the supplies being furnished shall be made by the designated Contract Administration Office Quality Assurance Representative (CAO-QAR) at the following Contractor's or subcontractor's plant: \_\_\_\_ (as designated in K15-6, "Place of Performance").
- (b) If the contract provides for Government procurement quality assurance actions at origin, the place(s) designated for such actions may not be changed without authorization of the Procuring Contracting Officer.
- (c) The Government requires advance notice of inspection per FAR 52.246-2, "Inspection of Supplies - Fixed Price, para. (i)(2). The contractor shall notify the CAO-QAR as follows:
- (1) CLINs/SCLINS: 0001AA; 0001AB, and if option(s) is/are exercised- 0003AA; 0003AB; 0005AA; 0005AB; and, 0005AC
  - (2) Period of Advance Notice: 7 working days
  - (3) Method of Advance Notice: In Writing (email is acceptable)
- (d) Final inspection and acceptance of the furnished supplies shall be made at destination by the receiving activities designated in clause F18R.
- (e) The receiving activity shall execute the acceptance certificate on the Material Inspection and Receiving Report (MIRR), DD Form 250 within thirty (30) days of receipt. The receiving activity shall forward the executed payment copy of MILSCAP Format Identifier PKN or PKP to the payment office within four working days (five days when MILSCAP Format is used) after final inspection and acceptance of the shipment. The receiving activity shall forward one executed copy of the final DD Form 250 to: the contract administration office cited in block 12 of the contract award page (SF1447), with 1 copy to the Procuring Contracting Officer cited in clause G10 and 1 copy to the contractor.

**E15 WITNESS OF INSPECTION OR TESTS**

Because of the critical nature of the material being furnished hereunder, a representative of the Naval Undersea Warfare Center Division, Newport is available to furnish technical assistance on quality control matters and shall have the option of conducting Quality Assurance surveillance of inspections and tests performed by the Contractor. The surveillance will be performed in conjunction with the Defense Contract Management Agency (DCMA) Quality Assurance representative, if assigned, and does not abrogate the responsibility or authority of such DCMA representative. The Contractor agrees to notify Mr. Brett Albro, NUWCDIVNPT Code 8241, in writing\*, when the material will be inspected and/or tested. A minimum of seven working days is required to arrange such a visit.

\* via e-mail is acceptable. His e-mail address is: ALBROBM@NPT.NUWC.NAVY.MIL

**E22R SUBSAFE REQUIREMENTS (AUGUST 2004)**

- (a) Applicability. The requirements of this clause apply to all items designated as LEVEL 1 or LEVEL 1/SUBSAFE in the Description portion of the Schedule Of Supplies/Services.
- (b) Tests. The Contractor shall provide certified quantitative chemical and physical analysis, by heat, for material as ordered, or by 100% sample for material of unknown heat. Where subsequently heat-treated, the required physical analysis shall be representative of each heat treated lot, by heat, or by 100% sample.

The Contractor shall provide documented sample verification of above heat analysis by acid and hardness test as applicable by material MIL Specification.

The Contractor shall maintain traceability from material (including finished piece) to analysis and verification documentation.

(c) Records. The Contractor shall maintain Objective Quality Evidence (OQE) records of material forming part of primary and/or secondary pressure boundary in components. The OQE shall contain the following in the order given below:

- (1) Certification Summary Sheet, which will summarize and tie-in all of the objective quality evidence, identified by serial number, to support product quality. The Contractor shall supply this sheet with each complete hardware set.
- (2) Material identification and verification.
- (3) Non-destructive tests (NDT) (LEVEL 1/SUBSAFE only).
- (4) Certification of personnel evaluating NDT tests (LEVEL 1/SUBSAFE only).
- (5) Physical Configuration Inspections.
- (6) Pressure Tests (LEVEL 1/SUBSAFE only).

(d) Marking. Marking on the finished piece shall be in accordance with NAVSEA 0948-LP-45-7010. The Contractor shall identify each supporting certification document with this unique Material Identification Code (MIC) number marked. Traceability shall be maintained, at all times, from material to certification documents by this number.

(e) Inspection. The Contractor shall notify certifying activity **Portsmouth Naval Shipyard (PNS)** prior to start of work, via the local DCMA-QAR office. This will be done to facilitate the providing of guidelines as related to in-service engineering and technical support, certification of SUBSAFE components, coordination of material verification effort, assignment of "MIC" designators, and review of test, inspection, certification, and supporting data.

The Contractor shall provide test reports showing the results for non-destructive test as required by drawings and/or specifications. Certification must include: Plan, Piece Number, Weld Identification, Compliance with NAVSEA T9074-AS-GIB-010/241-271, Acceptance to Applicable Standard, and Reference to Prime Contract Number. Government Standard Shooting Sketches shall be included as required by drawings and/or specifications (LEVEL 1/SUBSAFE only).

## SECTION F DELIVERIES OR PERFORMANCE

The following contract clauses are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.211-16	VARIATION IN QUANTITY para.(b) fill-ins: variation shall be limited to: <u>zero</u> Percent increase <u>zero</u> Percent decrease shall apply to: <u>the total contract quantity</u> .	(APR 1984)
52.242-15	STOP-WORK ORDER	(AUG 1989)
52.242-17	GOVERNMENT DELAY OF WORK	(APR 1984)
52.247-34	F.O.B. DESTINATION	(NOV 1991)

### F11-8 TIME OF DELIVERY (FAR 52.211-8) (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

#### REQUIRED DELIVERY SCHEDULE

ITEM NUMBER	QUANTITY	BY
0001AA and 0001AB	ALL	2005 SEP 01
0002	ALL	Per CDRL

0003AA and 0003AB*	ALL	2006 SEP 01
0004*	ALL	Per CDRL
0005AA; 0005AB; and 0005AC*	ALL	2007 AUG 01
0006*	ALL	Per CDRL

\* if applicable option is exercised.

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered nonresponsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

#### OFFEROR'S PROPOSED DELIVERY SCHEDULE

ITEM NUMBER	QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (i) five days for delivery of the award through the ordinary mails, or (ii) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays. If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

#### **F18R DELIVERY AT DESTINATION (AUG 1999)**

The articles to be furnished hereunder shall be delivered in accordance with the clause entitled, F.O.B. Destination (FAR 52.247-34), to the following addresses (as specified in the Section B CLIN/SLIN structure):

- a) Puget Sound Naval Shipyard & IMF  
N4523A Receiving Officer  
Code 570  
Building 154  
Bremerton, WA 98314-5000  
Attn: C. Osborn/R. Polk, Bldg. 107, Door 6 Code 361 (360) 476-3454
- b) Norfolk Naval Shipyard  
Attn: Receiving Officer  
Tiger Team Office  
Bldg. 184 2nd Floor, Rm 242  
Delivery Point: 9C, E  
Attn: Tim Shook  
Portsmouth, VA 23709-5000

- c) Naval Engineering Logistics Office  
1820 Dillingham Blvd.  
Bldg. X137  
Norfolk Naval Base  
Norfolk, VA 23511  
Attn: Andy Winsatt (757-444-1474)

**F22 DELIVERY OF DATA (JUL 2001)**

The contractor shall deliver data items in accordance with the directions set forth on the DD Form 1423, Contract Data Requirements List (CDRL), which is an exhibit to this contract. Any change in the delivery of data must be made by a formal contract modification.

**SECTION G CONTRACT ADMINISTRATION DATA**

**G10 CONTRACTUAL AUTHORITY AND COMMUNICATIONS (JAN 2004)**

- (a) Except as specified in subparagraph (b) below, no order, statement, or conduct of any Government personnel who visit the Contractor's facilities or in any other manner communicates with Contractor personnel during the performance of this contract shall constitute a change under the Changes clause of this contract.
- (b) The Contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this contract.
- (c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this contract and, notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the Contracting Officer's. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any increase in charges incurred as a result thereof.
- (d) The Government reserves the right to administratively transfer authority over this contract from the individual named below to another Contracting Officer at any time.
- (e) The address and telephone number of the Contracting Officer is:

**Name:** Nancy A. Teasdale

**Address:** Commercial Acquisition Department, Building 11  
Naval Undersea Warfare Center Division, Newport  
Code 5911  
Simonpietri Drive  
Newport, RI 02841-1708

**Telephone:** Commercial: 401-832-1898; DSN: 432-1898

**Fax:** (401) 832-4820

**Email:** teasdalena@npt.nuwc.navy.mil

**G15 NOTE TO PAYMENT OFFICE - ADDRESS OF PAYEE**

The Paying Office will mail payments to:

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\* Offerors should complete the above if they wish payments to be sent to an address other than that shown on the contract face. Invoices should also specifically inform the paying office of this address.

#### **G18 CONTRACT ADMINISTRATION FUNCTIONS (HARDWARE)**

(a) The cognizant Administrative Contracting Office for this contract is identified in Block 12 on page one of this contract.

(b) The Administrative Contracting Officer (ACO) is delegated the following functions:

(1) All functions of FAR 42.302(a).

(2) The function of FAR 42.302(b)(4); negotiating and executing supplemental agreements providing for the deobligation of unexpended dollar balances considered excess to known contract requirements, and for the crediting of any overpayments made to the contractor. Attach a copy of the modification to the DD 1594 and forward to the PCO address (Attn: Code 5912 -- CLOSEOUT)

(3) The function of FAR 42.302(b)(6).

(c) If the ACO identifies a contract administration problem, the remedy for which is not covered by the above, the ACO shall request the PCO to delegate additional functions as necessary. The PCO may delegate authority by letter.

#### **G24 DELAY IN DELIVERY NOTIFICATION**

The cognizant CAS component shall, in accordance with FAR 42.1104(a)(2)(vii), notify the Procuring Contracting Officer of any anticipated or actual delay in delivery or performance of this contract.

### **SECTION H SPECIAL CONTRACT REQUIREMENTS**

#### **H71 CONTROL OF TECHNICAL DATA (JUN 2002)**

(a) The Contractor shall distribute data items according to the distribution shown on the Contract Data Requirements List(s) (CDRL), provided as an Exhibit to this contract. The Contractor shall not distribute, release, or show data items or other technical data to third parties except with the written permission of the Contracting Officer.

(b) All copies of CDRL items under this contract, regardless of distribution, shall be marked on the report cover with the following information:

- (1) Naval Undersea Warfare Center Division, Newport
- (2) Contract, Order, and ELIN Numbers
- (3) Report Title
- (4) Date of Report
- (5) Contractor (division which generated the report)

(c) Release of all technical data is subject to NUWCDIVNPT INSTRUCTION 5570.1H, OPNAVINST 5510.161 and DoD Directive 5230.25 (or appropriate superseding document).

### **SECTION I CONTRACT CLAUSES**

The following contract clauses are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.202-1	DEFINITIONS	(DEC 2001)
52.203-3	GRATUITIES	(APR 1984)
52.203-5	COVENANT AGAINST CONTINGENT FEES	(APR 1984)
52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	(JUL 1995)
52.203-7	ANTI-KICKBACK PROCEDURES	(JUL 1995)
52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	(JAN 1997)

52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	(JAN 1997)
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	(JUN 2003)
252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES	(MAR 1999)
52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER	(AUG 2000)
52.204-7	CENTRAL CONTRACTOR REGISTRATION WITH DFARS 252.204-7004 (ALT A) (NOV 2003)	(OCT 2003)
252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	(APR 1992)
252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	(DEC 1991)
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	(JUL 1995)
252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY	(NOV 1995)
252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY	(MAR 1998)
52.211-5	MATERIAL REQUIREMENTS	(AUG 2000)
52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	(SEP 1990)
252.211-7003	ITEM IDENTIFICATION AND VALUATION para.(c)(1)(ii) fill-in: ... <u>none</u> ; para (c)(1)(iii) fill-in: <u>none</u> para.(c)(1)(iii) fill-in: <u>none</u>	(JAN 2004)
52.215-2	AUDIT AND RECORDS - NEGOTIATION	(JUN 1999)
52.215-8	ORDER OF PRECEDENCE -- UNIFORM CONTRACT FORMAT	(OCT 1997)
52.215-14	INTEGRITY OF UNIT PRICES	(OCT 1997)
52.217-7	OPTION FOR INCREASED QUANTITY - SEPARATELY PRICED LINE ITEM fill-in: within ____.	(MAR 1989)
52.219-4	NOTICE OF PRICE EVALUATION FOR HUBZONE SMALL BUSINESS CONCERNS ____ Offer elects to waive the evaluation preference.	(JAN 1999)
52.219-6	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE	(JUN 2003)
52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	(OCT 2000)
52.222-19	CHILD LABOR - COOPERATION WITH AUTHORITIES AND REMEDIES	(JAN 2004)
52.222-20	WALSH-HEALEY PUBLIC CONTRACTS ACT	(DEC 1996)
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	(FEB 1999)
52.222-26	EQUAL OPPORTUNITY	(FEB 1999)
52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	(DEC 2001)
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	(JUN 1998)
52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	(DEC 2001)
52.223-6	DRUG-FREE WORKPLACE	(MAY 2001)
52.223-14	TOXIC CHEMICAL RELEASE REPORTING	(AUG 2003)
52.225-8	DUTY-FREE ENTRY	(FEB 2000)
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	(JAN 2004)
252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	(APR 2003)
252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	(FEB 2003)

252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS, INDIAN-OWNED ECONOMIC ENTERPRISES, AND NATIVE HAWAIIAN SMALL BUSINESS CONCERNS	(OCT 2003)
52.227-1	AUTHORIZATION AND CONSENT	(JUL 1995)
52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	(AUG 1996)
252.227-7013	RIGHTS IN TECHNICAL DATA -- NONCOMMERCIAL ITEMS	(NOV 1995)
252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION	(JUN 1995)
252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS	(JUN 1995)
252.227-7030	TECHNICAL DATA - WITHHOLDING OF PAYMENT	(MAR 2000)
252.227-7036	DECLARATION OF TECHNICAL DATA CONFORMITY	(JAN 1997)
252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	(SEP 1999)
52.232-1	PAYMENTS	(APR 1984)
52.232-8	DISCOUNTS FOR PROMPT PAYMENT	(FEB 2002)
52.232-9	LIMITATION ON WITHHOLDING OF PAYMENTS	(APR 1984)
52.232-11	EXTRAS	(APR 1984)
52.232-17	INTEREST	(JUN 1996)
52.232-23	ASSIGNMENT OF CLAIMS - ALT I (APR 1984)	(JAN 1986)
52.232-25	PROMPT PAYMENT	(OCT 2003)
52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER – CENTRAL CONTRACTOR REGISTRATION	(OCT 2003)
252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS	(JAN 2004)
52.233-1	DISPUTES	(JUL 2002)
52.233-3	PROTEST AFTER AWARD	(AUG 1996)
52.242-13	BANKRUPTCY	(JUL 1995)
252.242-7000	POSTAWARD CONFERENCE	(DEC 1991)
52.243-1	CHANGES - FIXED PRICE	(AUG 1987)
252.243-7001	PRICING OF CONTRACT MODIFICATIONS	(DEC 1991)
252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	(MAR 1998)
52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	(APR 2003)
252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS	(MAR 2000)
52.246-23	LIMITATION OF LIABILITY	(FEB 1997)
252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA	(MAY 2002)
252.247-7024	NOTIFICATION OF TRANSPORTATION OF SUPPLIES BY SEA	(MAR 2000)
52.248-1	VALUE ENGINEERING	(FEB 2000)
252.248-7000	PREPARATION OF VALUE ENGINEERING CHANGE PROPOSALS	(MAY 1994)
52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	(APR 1984)
52.253-1	COMPUTER GENERATED FORMS	(JAN 1991)

**I32-9000 SUBMISSION OF INVOICES (FIXED PRICE) (NAPS 5252.232-9000) (JUL 1992)**

(a) “Invoice” as used in this clause does not include contractor’s requests for progress payments.

(b) The contractor shall submit original invoices with copies to the address identified in the solicitation/contract award form (SF26 - Block 10; SF33 - Block 23; SF1447 - Block 14), unless orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order (DD1155 - Block 13 or SF26 - Block 10).

(c) The use of copies of the Material Inspection and Receiving Report (MIRR), DD Form 250, as an invoice is encouraged. DFARS Appendix F-306 provides instructions for such use. Copies of the MIRR used as an invoice are in addition to the standard distribution stated in DFARS F-401.



(d) In addition to the requirements of the Prompt Payment clause of this contract, the contractor shall cite on each invoice the contract line item number (CLIN); the contract subline item number (SLIN), if applicable; the accounting classification reference number (ACRN) as identified on the financial accounting data sheets, and the payment terms.

(e) The contractor shall prepare:

- ☒ a separate invoice for each activity designated to receive the supplies or services.  
☐ a consolidated invoice covering all shipments delivered under an individual order.  
☐ either of the above.

(f) If acceptance is at origin, the contractor shall submit the MIRR or other acceptance verification directly to the designated payment office. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office.

## **152-2 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://www.arnet.gov/far/>

## **SECTION J LIST OF ATTACHMENTS**

### **J10 LIST OF ATTACHMENTS**

<u>EXHIBIT</u>	<u>TITLE</u>	<u>PAGES</u>
"A"	DD Form 1423, Contract Data Requirements List	5

### ATTACHMENT

1	Electrical Hull Fitting (EHF) drawing package, consisting of: Dwg. 413-7502540 Rev. C (10 sheets)	
2	Procurement Specification, NAVSEA No. 413-7502540 Initial Revision (11 pages, including cover pages)	
3	Comments in the Interest of Competition	1

**SECTION K REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS  
OF OFFERORS OR RESPONDENTS**

The following solicitation provisions are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.203-11	CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	(APR 1991)
252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL	(APR 2003)

**K16 OFFEROR DATA (JAN 2004)**

(a) The offeror shall identify the individuals that are authorized to negotiate on its behalf with the Government in connection with this solicitation:

<u>Name</u>	<u>Title</u>	<u>Telephone Number</u>	<u>E-mail address</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(b) Offerors shall provide the data requested below. Provide the data for each subcontractor exceeding \$100,000.

(1) Contractor Identification Data.

DUNS Number \_\_\_\_\_

CAGE Code \_\_\_\_\_

(2) Contractor Systems Approval Data. Explain any disapproval, or approval pending, etc. in the cost proposal.

(i) Accounting System (All contracts other than Firm Fixed Price)

Date Submitted \_\_\_\_\_ Date Approved \_\_\_\_\_ By \_\_\_\_\_

Limitations \_\_\_\_\_

(ii) Cost Accounting Standards Disclosure Statement (Large Businesses Only)

Date Submitted \_\_\_\_\_ Date Approved \_\_\_\_\_ By \_\_\_\_\_

Latest Revision of CASB

Date Submitted \_\_\_\_\_ Date Approved \_\_\_\_\_ By \_\_\_\_\_

Potential Non-Compliances (As notified by ACO) \_\_\_\_\_

(iii) Purchasing System (See FAR 44.302)

Date Submitted \_\_\_\_\_ Date Approved \_\_\_\_\_ By \_\_\_\_\_

(iv) Forward Pricing Rate Agreement (If Applicable)

Date Submitted \_\_\_\_\_ Date Approved \_\_\_\_\_ By \_\_\_\_\_

(v) Facilities Clearance (Security) (If Required by DD Form 254)

Date Submitted \_\_\_\_\_ Date Approved \_\_\_\_\_ By \_\_\_\_\_

(3) Contract Administration Data. Identify the cognizant Defense Contracting Management (DCM) Agency and Defense Contract Audit Agency (DCAA) offices.

DCM Office \_\_\_\_\_  
ACO (or POC) Name and Telephone \_\_\_\_\_  
DCAA Office \_\_\_\_\_  
Auditor (or POC) Name and Telephone \_\_\_\_\_

**K03-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (FAR 52.203-2) (APR 1985)**

(a) The offeror certifies that-

- (1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to (i) those prices, (ii) the intention to submit an offer, or (iii) the methods or factors used to calculate the prices offered;
- (2) The prices in the offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and
- (3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory--

- (1) Is the person in the offeror's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above; or
- (2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above \_\_\_\_\_

\_\_\_\_\_  
*[insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization];*

- (ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and
- (iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the offeror deletes or modifies subparagraph (a)(2) above, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of this disclosure.

**K04-3 TAXPAYER IDENTIFICATION (FAR 52.204-3) (OCT 1998)**

(a) Definitions.

"Common parent," as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)," as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

☐ TIN: \_\_\_\_\_

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government;

(e) Type of organization.

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other \_\_\_\_\_.

(f) Common Parent.

☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

☐ Name and TIN of common parent:

Name: \_\_\_\_\_

TIN: \_\_\_\_\_

**K04-5 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (FAR 52.204-5)  
(MAY 1999)**

(a) *Definition.* "Women-owned business concern," as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) *Representation.* [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representations, of this solicitation.] The offeror represents that it ☐ is, ☐ is not a women-owned business concern.

**K09-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (FAR 52.209-5) (DEC 2001)**

- (a) (1) The Offeror certifies, to the best of its knowledge and belief, that--
- (i) The Offeror and/or any of its Principals--
- (A) Are ☐, are not ☐, presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
- (B) Have ☐, have not ☐, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and
- (C) Are ☐, are not ☐, presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(D) of this provision.
- (ii) The Offeror has ☐, has not ☐, within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.
- (2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).
- THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.
- (b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- (c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.
- (d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- (e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

**K09-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY (DFARS 252.209-7001) (MAR 1998)**

- (a) Definitions. As used in this provision--
- (1) "Government of a terrorist country" includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.

(2) "Terrorist country" means a country determined by the Secretary of State, under section 6(j)(1)(A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(i)(A)), to be a country the government of which has repeatedly provided support for acts of international terrorism. As of the date of this provision, terrorist countries include: Cuba, Iran, Iraq, Libya, North Korea, Sudan, and Syria.

(3) "Significant interest" means--

- (i) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in "nominee shares", "street names", or some other method of holding securities that does not disclose the beneficial owner;
- (ii) Holding a management position in the firm such as director or officer;
- (iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;
- (iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or
- (v) Holding 50 percent or more of the indebtedness of a firm.

(b) Prohibition on award. In accordance with 10 U.S.C. 2327, no contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary, the firm that owns the subsidiary, unless a waiver is granted by the Secretary of Defense.

(c) Disclosure. If the government of a terrorist country has a significant interest in the Offeror or a subsidiary of the Offeror, the Offeror shall disclose such interest in an attachment to its offer. If the Offeror is a subsidiary, it shall also disclose any significant interest the government of a terrorist country has in any firm that owns or controls the subsidiary. The disclosure shall include-

- (1) Identification of each government holding a significant interest; and
- (2) A description of the significant interest held by each Government.

**K11-7005 SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS  
(DFARS 252.211-7005) (FEB 2003)**

(a) Definition. "SPI process," as used in this clause, means a management or manufacturing process that has been accepted previously by the Department of Defense under the Single Process Initiative (SPI) for use in lieu of a specific military or Federal specification or standard at specific facilities. Under SPI, these processes are reviewed and accepted by a Management Council, which includes representatives of the Contractor, the Defense Contract Management Agency, the Defense Contract Audit Agency, and the military departments.

(b) Offerors are encouraged to propose SPI processes in lieu of military or Federal specifications and standards cited in the solicitation. A listing of SPI processes accepted at specific facilities is available via the Internet in Excel format at <http://www.dcmil.com/onebook/7.0/7.2/7.2.6/reports/modified.xls>.

(c) An offeror proposing to use an SPI process in lieu of military or Federal specifications or standards cited in the solicitation shall -

- (1) Identify the specific military or Federal specification or standard for which the SPI process has been accepted;
- (2) Identify each facility at which the offeror proposes to use the specific SPI process in lieu of military or Federal specifications or standards cited in the solicitation;
- (3) Identify the contract line items, subline items, components, or elements affected by the SPI process; and
- (4) If the proposed SPI process has been accepted at the facility at which it is proposed for use, but is not yet listed at the Internet site specified in paragraph (b) of this clause, submit documentation of Department of Defense acceptance of the SPI process.

(d) Absent a determination that an SPI process is not acceptable for this procurement, the Contractor shall use the following SPI processes in lieu of military or Federal specifications or standards:

(Offeror insert information for each SPI process)

SPI Process: \_\_\_\_\_

Facility: \_\_\_\_\_

Military or Federal

Specification or Standard: \_\_\_\_\_

Affected Contract Line Item Number,

Subline Item Number, Component,

or Element: \_\_\_\_\_

(e) If a prospective offeror wishes to obtain, prior to the time specified for receipt of offers, verification that an SPI process is an acceptable replacement for military or Federal specifications or standards required by the solicitation, the prospective offeror -

(1) May submit the information required by paragraph (d) of this clause to the Contracting Officer prior to submission of an offer; but

(2) Must submit the information to the Contracting Officer at least 10 working days prior to the date specified for receipt of offers.

**K15-6 PLACE OF PERFORMANCE (FAR 52.215-6) (OCT 1997)**

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, ☐ intends, ☐ does not intend [check applicable box] to use one or more plants or facilities at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

Place of Performance  
(Street Address, City,  
County, State, Zip Code)

Name and Address of Owner and  
Operator of the Plant or Facility  
if other than offeror or respondent

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**K19-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (FAR 52.219-1) (APR 2002) – ALT I (APR 2002)**

(a) (1) The North American Industry Classification System (NAICS) code for this acquisition is set forth in block 8 of the SF 1447, Page 1 of this solicitation.

(2) The small business size standard is set forth in block 8 of the SF 1447, Page 1 of this solicitation.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations.

(1) The offeror represents as part of its offer that it ☐ is, ☐ is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a service-disabled veteran-owned small business concern.

(6) (Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that –

(i) It ☐ is, ☐ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office of ownership, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR Part 126; and

(ii) It ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR Part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: \_\_\_\_\_.] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) [Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.] The offeror shall check the category in which its ownership falls:

☐ Black American.

☐ Hispanic American.

☐ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

☐ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

☐ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

☐ Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

*“Service-disabled veteran-owned small business concern” -*

(1) Means a small business concern -



(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

*"Small business concern,"* means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

*"Veteran-owned small business concern"* means a small business concern -

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

*"Women-owned small business concern,"* means a small business concern--

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to sections 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall --

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

**K22-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FAR 52.222-22) (FEB 1999)**

The offeror represents that-

(a) It ☐ has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It ☐ has, ☐ has not, filed all required compliance reports, and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

**K22-25 AFFIRMATIVE ACTION COMPLIANCE (FAR 52.222-25) (APR 1984)**

The offeror represents that -

(a) It ☐ has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

**K22-38 COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (DEC 2001)**

By submission of its offer, the offeror represents that, if it is subject to the reporting requirements of 38 U.S.C. 4212(d) (i.e., if it has any contract containing Federal Acquisition Regulation clause 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans), it has submitted the most recent VETS-100 Report required by that clause.

**K23-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (FAR 52.223-13) (AUG 2003)**

(a) Executive Order 13148, of April 21, 2000, Greening the Government through Leadership in Environmental Management, requires submission of this certification as a prerequisite for contract award.

(b) By signing this offer, the offeror certifies that---

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or--

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: *[Check each block that is applicable.]*-

☐ (i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed in 40 CFR 372.65;

☐ (ii) The facility does not have 10 or more full-time employees as specified in section 313(b)(1)(A) of EPCRA, 42 U.S.C. 11023(b)(1)(A);

☐ (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

☐ (iv) The facility does not fall within the following Standard Industrial Classification (SIC) codes or their corresponding North American Industry Classification System sectors:

(A) Major group code 10 (except 1011, 1081, and 1094).

(B) Major group code 12 (except 1241).

(C) Major group codes 20 through 39.

(D) Industry code 4911, 4931, 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce).

(E) Industry code 4953 (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C (42 U.S.C. 6921, *et seq.*)), or 5169, 5171, 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); or

☐ (v) The facility is not located within any State of the United States or its outlying areas.

**K27-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE  
RESTRICTIONS (DFARS 252.227-7017) (JUN 1995)**

(a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documents, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions *	Basis for Assertion **	Asserted Rights Category ***	Name of Person Asserting Restrictions ****
(LIST)*****	(LIST)	(LIST)	(LIST)

\* For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such items, component, or process. For computer software or computer software documentation identify the software or documentation.

- \*\* Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.
- \*\*\* Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).
- \*\*\*\* Corporation, individual, or other person, as appropriate.
- \*\*\*\*\* Enter "none" when all data or software will be submitted without restrictions.

Date \_\_\_\_\_

Printed Name and Title \_\_\_\_\_

Signature \_\_\_\_\_

(End of identification and assertion)

(e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.

(f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

## **SECTION L INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR QUOTERS**

The following solicitation provisions are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER	(OCT 2003)
252.204-7001	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE REPORTING	(AUG 1999)
52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE check one: _____ DX or <u>X</u> _____ DO rated order	(SEP 1990)
52.214-35	SUBMISSION OF OFFERS IN U. S. CURRENCY	(APR 1991)
52.215-16	FACILITIES CAPITAL COST OF MONEY	(JUN 2003)
252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT	(JUN 1995)

### **L2 OTHER INSTRUCTIONS TO OFFERORS (NOV 1999)**

(a) It is the offeror's responsibility to ensure delivery of the proposal to the Bid Depository by the time and date specified on the solicitation form. FAR Provision 52.215-1 provides regulatory guidance concerning the timeliness of bids or proposals. Offerors should read this provision before determining which method of transmittal is appropriate.

(b) Clearly indicate the solicitation number and the closing time and date on the outside of the package containing the offer.

(c) Offerors are cautioned that certain prior approval procedures (e.g., visitor's pass, badging, etc.) must be followed to gain access to the Naval Station Newport. These procedures may cause time delays and are considered part of the responsibility of the offeror.

### **L3 PRE-AWARD POINT OF CONTACT**

The Contract Negotiator assists the Contracting Officer, and is responsible for negotiation of the contract during the pre-award phase. The Contract Negotiator is the preferred point of contact for questions and problem reporting, and should be contacted first for all pre-award matters. The contract negotiator is identified in Block 7 of the SF 1447.

### **L4 FACSIMILE PROPOSALS AND BIDS NOT AUTHORIZED**

Facsimile proposals (bids) are not authorized for this acquisition. "Facsimile proposal (bid)," as used in this solicitation, means a proposal (bid), modification of a proposal (bid), or withdrawal of a proposal (bid) that is transmitted to and received by the Government via electronic equipment that communicates and reproduces both printed and handwritten material.

### **L5 REQUIREMENTS FOR OFFEROR COMPLETION (APR 2002)**

Certain sections of this solicitation require the offeror to provide information. The list that follows indicates the clauses, provisions and attachments that require offeror completion and that may be included in this solicitation. Offerors should review the solicitation carefully and insert relevant data wherever required.

Section A - Forms. SF1447 (Solicitation/Contract). Blocks 11, 13, 15, 21, 22, 27 and the back of the form.

Section B - Supplies/Services and Prices. Clauses B10 through B20

Section F - Deliveries or Performance. Clauses F10 through F17, F40, F11-8, F11-9, F47-33, and F47-60

Section G - Contract Administration Data. Clauses G12, G14, G15, and G42

Section H - Special Contract Requirements. Clause H51

Section I - Contract Clauses. Clauses I08-000, I09-1, I16-2, I16-3, I16-001, I22-48, I23-3, I23-9A, and I23-001

Section K - Representations, Certifications, and Other Statements of Offeror.

All required certifications and representations

Section L - Instructions, Conditions, and Notices to Offerors. Clauses L10, L43, and L14-21A

Section M - Evaluation Factors for Award. Clauses M20, M21, M47-51, M47-51A, M47-51B, and M47-51C

Section J - Attachments. Numbers 2, 8, 10, and 12

### **L9 AVAILABILITY OF REQUIRED FORMS AND PUBLICATIONS**

(a) Offerors will need a variety of required Government forms and publications in submitting offers and performing the contract. These are available as specified below; payment may be necessary.

(1) Forms listed in FAR Section 53 (Standard Forms and Optional Forms) are available per FAR 53.107(b) from the Superintendent of Documents, GPO, Washington, DC 20402. This is the best source of all Federal, non-DoD publications and documents.

(2) Forms listed in DFARS Section 53 (DD Forms) are available from the same activity as specifications (See Section L, FAR 52.211-2). This is the best source of DoD publications and documents.

(3) Forms may also be available through the offeror's cognizant Administrative Contracting Officer.

(4) In addition to Government sources, items may be available from public libraries and commercial sources.

(b) All NUWC Division, Newport specific forms are attached; see Section J.

### **L12 DRAWINGS AND SPECIFICATIONS MAY BE RETAINED**

The drawing(s) and/or specifications listed in Section J and accompanying this bid or proposal may be retained by the bidder or offeror for future reference.

#### **L16 SUBMISSION OF COST OR PRICING DATA (AUG 2000)**

(a) It is expected that this contract will be awarded based upon a determination that there is adequate price competition; therefore, the offeror is not required to submit certified cost or pricing data with its proposal.

(b) If, prior to contract award, the Contracting Officer determines that adequate price competition does not exist in accordance with FAR 15.403-1(c)(1), the offeror shall submit a Certificate of Current Cost or Pricing Data, as prescribed by FAR 15.406-2.

#### **L30 PROPOSAL SUBMISSION - GENERAL REQUIREMENTS (APR 2003)**

(a) Offerors must respond to all requirements of the solicitation document. Submit proposals to the address indicated in block 7 of the SF1447.

(b) Proposal Format. This section specifies the format that offerors shall use in submitting proposals in response to this solicitation. The intent is to provide a certain degree of uniformity in the format of the proposals to ensure a complete, fair and efficient evaluation.

(1) Partition. Offerors are required to submit their proposals in separate parts as follows:

(i) Letter of Transmittal, if any

(ii) Original plus 2 copies of the signed solicitation document with all the required fill-ins completed. Staple this document together for submittal. ***Do not alter or punch holes in the solicitation document.***

(iii) Volume I - Technical Proposal - Include all data and information required for evaluation as set forth in the provision entitled, "Technical Proposal". Exclude any reference to the pricing aspects of the offer.

(iv) Volume II - Cost/Price Proposal - Include all data and information required for evaluation as set forth in the provision entitled, "Cost Proposal".

(v) Page Limits and Copies.

<u><b>Volume</b></u>	<u><b>Maximum Number of Pages</b></u>	<u><b>Copies Required</b></u>
Volume I - Technical	<u><b>25</b></u> (Not including Past Performance Data, if any.)	Original plus 3 copies
Volume II – Cost*	<b>No Limit</b>	Original plus 1 copy*

\* to be provided only if it turns out that adequate competition was not obtained- see clause L16.

***Important Note: Offerors shall not include CLASSIFIED material in the volumes.***

(2) General Format and Markings.

(i) The text of the proposal shall be printed single sided on 8 1/2 by 11 inch paper. Pages shall be consecutively numbered. Type size shall be 10 point "Times" font or equivalent, uncompressed and unreduced. Text shall be single-spaced with margins of at least one inch on all sides. Foldout pages up to 11 x 17 inches may be used for diagrams, charts or graphic material with type size(s) left to the discretion of the offeror.

(ii) Provide a Table of Contents in sufficient detail so that the important proposal elements can be easily located. The use of tabs and dividers is encouraged. The proposal Title Page will include all information required in (iii) below plus identification of copies bearing original authorizing signatures.

(iii) The Cost and Technical volumes shall be in standard three-ring loose-leaf binders that can be easily opened and closed. Binders shall be marked as follows:

- Proposal Title
- Proposal Category (Technical or Cost)
- Volume number
- Security classification (Unclassified only)

- RFP number
- Name and address of the offeror
- Serial number/copy number

(iv) Subcontractor data submitted directly to the Government in support of the prime offeror's cost proposal shall follow the format described above. Subcontractor submittals shall prominently identify the prime offeror.

(c) Style.

- (1) Submit a proposal that clearly and concisely describes and defines the contractor's response to the requirements contained in the solicitation. General or vague statements such as "standard procedures will be used" or "good engineering practices" will not satisfy this requirement.
- (2) Do not elaborate unnecessarily or provide other presentations beyond that sufficient to present a complete and effective proposal. Elaborate artwork, expensive paper or bindings, and expensive visual or other presentation aids are neither necessary nor desired. Either of these may be construed as an indication of a lack of understanding or cost consciousness.
- (3) Do not repeat information required in the responses in two or more proposal data requirements. Include detailed information in the area of the proposal where it contributes most critically. In other areas where a repeat discussion is necessary, provide a reference to the detailed discussion location.
- (4) Provide all pertinent information in sufficient detail to permit evaluation of the proposal. Provide cross-references so that the Government can trace the various related discussions.

**L34R TECHNICAL PROPOSAL - COMPLEX ITEM (AUG 2001)**

(a) Organization. The technical proposal shall include information and documentation in sufficient detail to clearly identify the offer's overall merit, divided in the following sections, in the order listed.

Technical Capability  
Past Performance

(b) Technical Capability. Offerors shall describe their process for manufacturing, assembling and testing of the WSQ-9 Electrical Hull Fittings such that it can provide timely delivery per the required aggressive schedule (ref: Section F). Also included in this discussion should be your approach to mitigating risk and satisfying the requirements all of the drawings (including testing requirements, etc.). In addition, offerors shall address the following:

(1) Manufacturers and Long Lead Items.

- (i) Identify the manufacturers and lead times of any long-lead items. In particular, demonstrate your ability to provide M85045/22-01 Fiber Optic Cable as referenced in NAVSEA Drawing 413-7502540 Rev C as Item No. 24. Address the impact, if any, that these items may have on the delivery schedule and how you will mitigate the associated risks.
- (ii) Demonstrate that any proposed subcontracts are consistent with the overall technical proposal.

(2) Manufacturing Process.

- (i) Explain the manufacturing processes you will use. If work is to be subcontracted, explain how you will manage this work to ensure timely delivery.
- (ii) Detail any other manufacturing difficulties or problems you believe you may encounter

(3) Production Management

- (i) Provide a Work Breakdown Structure (WBS) per MIL-STD-881.

- (ii) Describe the production and delivery schedule using GANTT charts showing the beginning and completion of each WBS element and associated tasks as well any critical events such as testing and "milestones".
  - (4) Quality Assurance. Describe the quality assurance methods proposed, including testing procedures.
  - (5) Facilities. Demonstrate that your existing facilities and equipment are adequate for the required performance and SUBSAFE work, and are available during the manufacturing/testing timeframes.
  - (6) Staffing. Identify the in-house staffing you have as well as their qualifications and certifications.
- (c) Past Performance. In a separate attachment, provide information relative to past performance.
- (1) Provide a list of all (maximum of 10) contracts and subcontracts with a value exceeding \$100,000 that are currently in process or have been completed during the past two years. If the maximum is exceeded, list the 10 most relevant actions. Contracts listed shall include those entered into with Federal, state or local governments as well as commercial customers. Offerors that are newly formed entities without prior contracts should list contracts and subcontracts as required above for all key personnel. Include the following information for each contract and subcontract:
    - Contract Title
    - Date of Award
    - Name of contracting activity or commercial firm
    - Contract number
    - Contract type
    - o Delivery Requirements
    - Total contract value
    - Brief narrative (less than 20 lines) describing your involvement in the effort, complexity, objectives achieved, and types of personnel who performed under the contract. List ships or military systems involved, if any. List major subcontractors.
    - Procuring Contracting Officer\* and telephone
    - Administrative Contracting Officer\*, if different, and telephone
    - Government Program Manager\* or COR, and telephone

\*Or non-Government official with similar duties or rank
  - (2) Describe any quality awards or certifications that indicate the offeror possesses a high-quality process for developing and producing the product or service required. Such awards or certifications include, for example, the Malcolm Baldrige Quality Award, the automobile industry's QS 9000, Sematech's SSQA, or ANSI/EIA-599. Identify what segment of the company (one division or the entire company) received the award or certification and when it was received. If the award or certification is over three years old, present evidence that the qualifications still apply.
  - (3) Provide similar past performance data for major subcontractors (those performing more than 25% of the effort).

#### **L44R COST PROPOSAL - SUPPLIES (DEC 2002)**

##### Content - Cost Proposals (Volume II)

- (a) Offerors shall insert the proposed price of each item identified in Section B where indicated.
- (b) No other cost or pricing data is required with initial submittal of your offer (but See L16).

#### **L11-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (FAR 52.211-2) (DEC 2003)**

Copies of specifications, standards, and data item descriptions cited in this solicitation may be obtained--



- (a) From the ASSIST database via the Internet at <http://assist.daps.dla.mil/>; or  
(b) By submitting a request to the--

Department of Defense Single Stock Point (DoDSSP)  
Building 4, Section D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094  
  
Telephone (215) 697-2667/2179  
Facsimile (215) 697-1462

**L11-9000 NOTICE TO OFFERORS -- USE OF OZONE DEPLETING SUBSTANCES  
(NAPS 5252.211-9000) (AUG 1993)**

- (a) In accordance with section 326 of Pub L. 102-484, the Department of Defense is prohibited from awarding any contract which includes a DoD-directed specification or standard that requires the use of a Class I ozone depleting substance (ODS) or that can be met only through the use of such a substance unless such use has been approved by a senior acquisition official (SAO). The SAO approval is based on a technical certification that no suitable substitute for the ODS is currently available.
- (b) To comply with this statute, the Navy has screened the specifications and standards associated with this solicitation. To the extent that ODS requirements were revealed by this review they are identified below:

**Class I ODS Identified**

**Specification/Standard**

- (c) If offerors possess knowledge about any other Class I ODS required directly or indirectly by the specification or standards, the Navy would appreciate such information in your response to this solicitation. Offerors are under no obligation to comply with this request and no compensation can be provided for doing so.

**L15-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (FAR 52.215-1)  
(JAN 2004)**

- (a) *Definitions.* As used in this provision--

“Discussions” are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer's discretion, result in the offeror being allowed to revise its proposal.

“In writing”, “writing” or “written” means any worded or numbered expression which can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

“Proposal modification” is a change made to a proposal before the solicitation's closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

“Proposal revision” is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

“Time,” if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

- (b) *Amendments to solicitations.* If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time specified in the amendment(s).

- (c) *Submission, modification, revision, and withdrawal of proposals.*

(1) Unless other methods (e.g., electronic commerce or facsimile) are permitted in the solicitation, proposals and modifications to proposals shall be submitted in paper media in sealed envelopes or packages

(i) addressed to the office specified in the solicitation, and

(ii) showing the time and date specified for receipt, the solicitation number, and the name and address of the offeror. Offerors using commercial carriers should ensure that the proposal is marked on the outermost wrapper with the information in paragraphs (c)(1)(i) and (c)(1)(ii) of this provision.

(2) The first page of the proposal must show--

- (i) The solicitation number;
- (ii) The name, address, and telephone and facsimile numbers of the offeror (and electronic address if available);
- (iii) A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item;
- (iv) Names, titles, and telephone and facsimile numbers (and electronic addresses if available) of persons authorized to negotiate on the offeror's behalf with the Government in connection with this solicitation; and
- (v) Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

(3) *Submission, modification, revision, and withdrawal of proposals.*

(i) Offerors are responsible for submitting proposals, and any modifications or revisions, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that proposal or revision is due.

(ii)(A) Any proposal, modification, or revision received at the Government office designated in the solicitation after the exact time specified for receipt of offers is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and –

(1) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or

(2) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(3) It is the only proposal received.

(B) However, a late modification of an otherwise successful proposal that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(iii) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(iv) If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the office designated for receipt of proposals by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(v) Proposals may be withdrawn by written notice received at any time before award. Oral proposals in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile proposals, proposals may be withdrawn via facsimile received at any time before award, subject to the conditions specified in the provision at 52.215-5, Facsimile Proposals. Proposals may be withdrawn in person by an offeror or an authorized representative, if the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal before award.

(4) Unless otherwise specified in the solicitation, the offeror may propose to provide any item or combination of items.

(5) Offerors shall submit proposals in response to this solicitation in English, unless otherwise permitted by the solicitation, and in U.S. dollars, unless the provision at FAR 52.225-17, Evaluation of Foreign Currency Offers, is included in the solicitation.

(6) Offerors may submit modifications to their proposals at any time before the solicitation closing date and time, and may submit modifications in response to an amendment, or to correct a mistake at any time before award.

(7) Offerors may submit revised proposals only if requested or allowed by the Contracting Officer.

(8) Proposals may be withdrawn at any time before award. Withdrawals are effective upon receipt of notice by the Contracting Officer.

(d) *Offer expiration date.* Proposals in response to this solicitation will be valid for the number of days specified on the solicitation cover sheet (unless a different period is proposed by the offeror).

(e) *Restriction on disclosure and use of data.* Offerors that include in their proposals data that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, shall--

(1) Mark the title page with the following legend:

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed--in whole or in part-- for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of--or in connection with-- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets]; and

(2) Mark each sheet of data it wishes to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

(f) *Contract award.*

(1) The Government intends to award a contract or contracts resulting from this solicitation to the responsible offeror(s) whose proposal(s) represents the best value after evaluation in accordance with the factors and subfactors in the solicitation.

(2) The Government may reject any or all proposals if such action is in the Government's interest.

(3) The Government may waive informalities and minor irregularities in proposals received.

(4) The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

(5) The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the offeror specifies otherwise in the proposal.

(6) The Government reserves the right to make multiple awards if, after considering the additional administrative costs, it is in the Government's best interest to do so.

(7) Exchanges with offerors after receipt of a proposal do not constitute a rejection or counteroffer by the Government.

(8) The Government may determine that a proposal is unacceptable if the prices proposed are materially unbalanced between line items or subline items. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more contract line items is significantly overstated or understated as indicated by the application of cost or price analysis techniques. A proposal may be rejected if the Contracting Officer determines that the lack of balance poses an unacceptable risk to the Government.

(9) If a cost realism analysis is performed, cost realism may be considered by the source selection authority in evaluating performance or schedule risk.

(10) A written award or acceptance of proposal mailed or otherwise furnished to the successful offeror within the time specified in the proposal shall result in a binding contract without further action by either party.

(11) If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

- (i) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.
- (ii) The overall evaluated cost or price and technical rating of the successful and the debriefed offeror and past performance information on the debriefed offeror.
- (iii) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.
- (iv) A summary of the rationale for award.
- (v) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.
- (vi) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

**L16-1 TYPE OF CONTRACT (FAR 52.216-1) (APR 1984)**

The Government contemplates award of a Firm Fixed Price (FFP) definitive contract resulting from this solicitation.

**L32-28 INVITATION TO PROPOSE PERFORMANCE-BASED PAYMENTS (FAR 52.232-28) (MAR 2000)**

(a) The Government invites the offeror to propose terms under which the Government will make performance-based contract financing payments during contract performance. The Government will consider performance-based payment financing terms proposed by the offeror in the evaluation of the offeror's proposal. The Contracting Officer will incorporate the financing terms of the successful offeror and the FAR clause, Performance-Based Payments, at FAR 52.232-32, in any resulting contract.

(b) In the event of any conflict between the terms proposed by the offeror and the terms in the clause at FAR 52.232-32, Performance-Based Payments, the terms of the clause at FAR 52.232-32 shall govern.

(c) The Contracting Officer will not accept the offeror's proposed performance-based payment financing if the financing does not conform to the following limitations:

- (1) The Government will make delivery payments only for supplies delivered and accepted, or services rendered and accepted in accordance with the payment terms of this contract.
- (2) The terms and conditions of the performance-based payments must --
  - (i) Comply with FAR 32.1004;
  - (ii) Be reasonable and consistent with all other technical and cost information included in the offeror's proposal; and
  - (iii) Their total shall not exceed 90 percent of the contract price if on a whole contract basis, or 90 percent of the delivery item price if on a delivery item basis.
- (3) The terms and conditions of the performance-based financing must be in the best interests of the Government.

(d) The offeror's proposal of performance-based payment financing shall include the following:

- (1) The proposed contractual language describing the performance-based payments (see FAR 32.1004 for appropriate criteria for establishing performance bases and performance-based finance payment amounts).
- (2) A listing of --
  - (i) The projected performance-based payment dates and the projected payment amounts; and
  - (ii) The projected delivery date and the projected payment amount.
- (3) Information addressing the Contractor's investment in the contract.

(e) Evaluation of the offeror's proposed prices and financing terms will include whether the offeror's proposed performance-based payment events and payment amounts are reasonable and consistent with all other terms and conditions of the offeror's proposal.

**L33-2 SERVICE OF PROTEST (FAR 52.233-2) (AUG 1996)**

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the issuing office indicated in Block 7 of the SF 1447.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

**L52-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FAR 52.252-1) (FEB 1998)**

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es): <http://www.arnet.gov/far/>

**SECTION M EVALUATION FACTORS FOR AWARD**

The following solicitation provisions are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.217-5	EVALUATION OF OPTIONS	(JUL 1990)

**M10 SINGLE AWARD**

Due to the interrelationship of supplies and/or services to be provided hereunder, the Government intends to make a single award. The Government reserves the right to make a single award to the offeror whose offer is considered to be in the best interest of the Government, price and other factors considered.

**MX35 EVALUATION FOR AWARD - BEST VALUE (JUL 2001)**

(a) Award will be made to the responsible offeror whose proposal contains the combination of those criteria offering the best overall value to the Government. This will be determined by comparing the difference in value of technical (non-cost) features of proposals with the difference in the cost to the Government. Offers will be evaluated on each of the following factors:

1. Technical:
  - a. Technical Capability
  - b. Past Performance
2. Total Evaluated Price

(b) Technical Capability and Past Performance are equal in importance. When combined, Technical Capability and Past Performance are significantly more important than the Total Evaluated Price. Although the Total Evaluated Price is less important than the other factors in combination, it is important and will be seriously considered. The degree of its importance will increase with the degree of equality of the proposals in relation to the other factors, or when it is so significantly high as to diminish the value of the technical superiority to the Government.

(c) Past Performance. Past performance will be evaluated as an indicator of the offeror's expected future performance. The currency and relevance of the information, source of the information, context of the data, and

general trends in contractor's performance are representative of the types of data that may be considered. The Government may contact points of contact listed in the offeror's proposal for the purpose of obtaining additional past performance information. The number of contacts, if any, will be determined by the Government at its discretion. Selection of contacts may be random.

(1) The Government may consider information concerning the offeror's past performance that is not contained in the proposal. This may include information furnished by points of contact not named in the proposal or information from other sources.

(2) In the case of an offeror without a record of relevant past performance or for whom information on past performance is not available, the offeror will not be evaluated favorably or unfavorably on past performance.

(d) The Total Evaluated Price will be calculated by adding the value of each option to the value of the base production prices.

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188		
Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY TDP _____ TM _____ OTHER <u>X</u>			
D. SYSTEM/ITEM AN/WSQ-9			E. CONTRACT/PR NO. N66604-4189-018H		F. CONTRACTOR		
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM Technical Report-Study/Services			3. SUBTITLE SUBSAFE Documentation		
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80508A			5. CONTRACT REFERENCE Clause E22		6. REQUIRING OFFICE NUWCDIVNPT Code 8241		
7. DD 250 REQ LT		9. DIST. STATEMENT REQUIRED		10. FREQUENCY 1TIME		12. DATE OF FIRST SUBMISSION 90 DAC	
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION N/A		14. DISTRIBUTION	
				a. ADDRESSEE		b. COPIES	
				Draft		Final	
				Req		Repro	
16. REMARKS:  Block 9: see attached Addendum				Code 8241, B. Albro		1	0
				DCMC		1	0
				PNS, Code 1200		1	0
15. TOTAL					3	0	
1. DATA ITEM NO. A002		2. TITLE OF DATA ITEM Request for Deviation			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NUWCDIVNPT Code 8241		
7. DD 250 REQ LT		9. DIST. STATEMENT REQUIRED		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16	
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION SEE Block 16		14. DISTRIBUTION	
				a. ADDRESSEE		b. COPIES	
				Draft		Final	
				Req		Repro	
16. REMARKS:  Block 9: see attached Addendum Blocks 10,12: Report shall be submitted within 10 working days after determining requirement for deviation. Government will review and comment with 5 days, Final due 10 days after government comment				Code 8241, B. Albro		1	0
				DCMC		1	0
15. TOTAL				2	2	0	
G. PREPARED BY: Brett Albro, Code 8241		H. DATE 07/07/2004		I. APPROVED BY: Martha Merriwether		J. DATE: 07/07/2004	
DD Form 1423-2, AUG 96 (EG)		PREVIOUS EDITION MAY BE USED				Page 1 of 3 Pages	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188				
Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E									
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY TDP _____ TM _____ OTHER <u>X</u>					
D. SYSTEM/ITEM AN/WSQ-9			E. CONTRACT/PR NO. N66604-4189-018H		F. CONTRACTOR				
1. DATA ITEM NO. A003		2. TITLE OF DATA ITEM Notice of Revision			3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-60642C			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NUWCDIVNPT Code 8241				
7. DD 250 REQ LT		9. DIST. STATEMENT REQUIRED		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16			
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION 10 DARC		14. DISTRIBUTION			
16. REMARKS:  Block 9: see attached Addendum  Blocks 10, 12: Report shall be submitted within 10 working days after determining requirement for NOR. Government will review and comment with 10 days., final due within 10 days of government review.						a. ADDRESSEE	b. COPIES		
							Draft	Final	
							Req	Repro	
						Code 8241, B. Albro	1	1	0
						DCMC	1	1	0
15. TOTAL						2	2	0	
1. DATA ITEM NO. A004		2. TITLE OF DATA ITEM Specification Change Notice			3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80643C			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NUWCDIVNPT Code 8241				
7. DD 250 REQ LT		9. DIST. STATEMENT REQUIRED		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16			
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16		14. DISTRIBUTION			
16. REMARKS:  Block 9: see attached Addendum Blocks 10, 12: Report shall be submitted within 10 working days after determining requirement for SCN. Government will review and comment with 10 days., final due within 10 days of government review.						a. ADDRESSEE	b. COPIES		
							Draft	Final	
							Req	Repro	
						Code 8241, B. Albro	1	1	0
						DCMC	1	1	0
15. TOTAL						2	2	0	
G. PREPARED BY: Brett Albro, Code 8241		H. DATE 07/07/2004		I. APPROVED BY: Martha Merriwether		J. DATE: 07/07/2004			
DD Form 1423-2, AUG 96 (EG)		PREVIOUS EDITION MAY BE USED					Page 2 of 3 Pages		



CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188						
Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E											
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY TDP _____ TM _____ OTHER <u>X</u>							
D. SYSTEM/ITEM AN/WSQ-9			E. CONTRACT/PR NO. N66604-4189-018H		F. CONTRACTOR						
1. DATA ITEM NO. A005		2. TITLE OF DATA ITEM Technical Report-Study/Services			3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80508A			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NUWC DIVNPT Code 8241						
7. DD 250 REQ LT		9. DIST. STATEMENT REQUIRED  D SEE BLK 16		10. FREQUENCY  1 TIME		12. DATE OF FIRST SUBMISSION 120 DAC					
8. APP CODE  N/A		11. AS OF DATE  N/A		13. DATE OF SUBSEQUENT SUBMISSION  N/A		14. DISTRIBUTION					
16. REMARKS:  Block 9: see attached Addendum						a. ADDRESSEE		b. COPIES			
								Draft		Final	
								Req		Repro	
						Code 8241, B. Albro		1		0	
						DCMC		1		0	
15. TOTAL						2		0			
1. DATA ITEM NO. A006		2. TITLE OF DATA ITEM Test/Inspection Report			3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809A			5. CONTRACT REFERENCE		6. REQUIRING OFFICE NUWC DIVNPT Code 8241						
7. DD 250 REQ LT		9. DIST. STATEMENT REQUIRED		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16					
8. APP CODE  N/A		11. AS OF DATE  N/A		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16		14. DISTRIBUTION					
16. REMARKS:  Block 9: see attached Addendum Blocks 10, 12, 13: Submission due 10 days after test or retest.						a. ADDRESSEE		b. COPIES			
								Draft		Final	
								Req		Repro	
						Code 8241, B. Albro		1		0	
						DCMC		1		0	
15. TOTAL						2		0			
G. PREPARED BY: Brett Albro, Code 8241 DD Form 1423-2, AUG 96 (EG)		H. DATE 07/07/2004		I. APPROVED BY: Martha Merriwether		J. DATE: 07/07/2004					
PREVIOUS EDITION MAY BE USED						Page 3 of 3 Pages					

**CDRL Addressees:**

1) Naval Undersea Warfare Center Division Newport  
Attn: Code 8241, B. Albro  
1176 Howell St.  
Newport, RI 02841-1708

2) DCMC: per the address completed in block 12 of the SF1447 (at time of award)

3) PNS Code 1200:

Portsmouth Naval Shipyard  
Portsmouth, NH 03804-5000  
Bldg. 86-1, Code 1200  
Attn: Mike Chabot (207) 438-2276

**DD FORM 1423**  
**CONTRACT DATA REQUIREMENTS LIST**  
**BLOCK 16 ADDENDUM**

THE FOLLOWING “DISTRIBUTION STATEMENTS” AND “EXPORT CONTROL WARNING NOTICE” MUST BE USED IN CONJUNCTION WITH DISTRIBUTION STATEMENTS IDENTIFIED.

**DISTRIBUTION STATEMENT “D”**

BLOCK 16: THE DISTRIBUTION STATEMENT IS AS FOLLOWS:

“DISTRIBUTION AUTHORIZED TO THE DEPARTMENT OF  
DEFENSE DOD CONTRACTORS ONLY DUE TO CRITICAL  
TECHNOLOGY AND POTENTIAL OPERATIONAL USE. OTHER  
REQUESTS SHALL BE REFERRED TO NUWCDIVNPT CODE 824  
OR HIGHER DOD AUTHORITY (DATE DATA GENERATED).”

**1        DISTRIBUTION STATEMENT “B”**

BLOCK 16: THE DISTRIBUTION STATEMENT IS AS FOLLOWS:

“DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT  
AGENCIES ONLY DUE TO CRITICAL TECHNOLOGY AND  
POTENTIAL OPERATIONAL USE. OTHER REQUESTS FOR  
THIS DOCUMENT SHALL BE REFERRED TO NUWCDIVNPT  
CODE 824 OR HIGHER DOD AUTHORITY (DATE DATA  
GENERATED).”

**2        EXPORT CONTROL WARNING NOTICE**

BLOCK 16: THE EXPORT CONTROL WARNING NOTICE IS AS FOLLOWS:

“**WARNING** – THIS DOCUMENT CONTAINS TECHNICAL  
DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS  
EXPORT CONTROL ACT (TITLE 22, U.S.C., SEC 2751 ET  
SEQ) OR EXECUTIVE ORDER 12470. VIOLATORS OF  
THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL  
PENALTIES.”

## NOTES:

1. MIL-HDBK-454 SHALL BE USED AS GUIDANCE FOR WORKMANSHIP STANDARDS.
2. HULL INSERTS SHALL BE IN ACCORDANCE WITH MIL-C-24231/25-003. SELECTION AND ASSURANCE THAT THE HOLE IN THE SUBMARINE PRESSURE HULL IS ADEQUATELY COMPENSATED FOR BY THE SELECTED HULL INSERT, IS THE RESPONSIBILITY OF THE SHIP DESIGN AGENT.
3. O-RINGS:
  - A. ALL O-RINGS SHALL BE CLEANED, INSPECTED, AND LIGHTLY LUBRICATED BEFORE ASSEMBLY.
  - B. LUBRICANT FOR O-RINGS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SAE-AS8660.
  - C. O-RING GROOVES, MATING SEALING SURFACES AND ALL OTHER SURFACES CONTACTED BY O-RINGS DURING THEIR INSTALLATION SHALL BE CLEANED FREE OF FOREIGN PARTICLES AND FILM DEPOSITS BEFORE ASSEMBLY.
  - D. TOOLS USED FOR O-RING INSTALLATION OR REMOVAL SHALL BE COMPOSED OF PLASTIC, PLASTIC COATED METAL, OR SOFT METAL, AND SHALL BE FREE OF SHARP EDGES, BURRS, OR ROUGH SURFACES WHICH COULD DAMAGE O-RINGS OR SEALING SURFACES.
4. PRIOR TO INSTALLATION OF ITEM 3, THE FACE OF ITEM 3 AND THE THREADS ON ITEM 1 SHALL BE COATED WITH ANTI-GALLING COMPOUND LUBRICANT CONFORMING TO CID A-A-59004 (DOW CORNING, MOLYKOTE P37).
5. FOR TESTING AND SHIP INSTALLATION ONLY, ITEM 3 SHALL BE TIGHTENED TO 100 ±5 FT LB, LOOSENED 1/8 TURN, AND TIGHTENED AGAIN TO 100 ±5 FT LB.
6. ITEM 5 SHALL BE TORQUED TO 45 ±5 FT LB.
7. TO PREVENT GALLING ON ITEM 1, DO NOT TIGHTEN SCREW UNTIL NUT HAS BEEN FULLY TIGHTENED.
8. LABEL CABLE WITHIN 12.0 INCHES OF CONNECTOR AS SHOWN USING 2.25 INCHES OF ITEM 27. CABLE BAND IDENTIFICATION MARKING SHALL BE .09 (MIN) HIGH, CHARACTERS STAMPED IN ACCORDANCE WITH SAE-AS81531, AND AS DEFINED IN THE CABLE ASSEMBLY TABLE.
9. TERMINATION OF ITEM 24 WITH ITEMS 8 AND 11 SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 9 OF REFERENCE 2.2.1.1.
10. SEE CABLE ASSEMBLY TABLE FOR NOMINAL CABLE LENGTHS. CABLE LENGTHS MAY BE ALTERED DURING MANUFACTURING PROCESS AS NECESSARY, BUT FINISHED CABLES SHALL BE SPECIFIED LENGTH +1/-0 FT. COMPLETED CABLES AND CONNECTORS SHALL PASS THROUGH A 2.25 ID CYLINDER TO ALLOW INSTALLATION OF THE HULL PENETRATOR ASSEMBLY THROUGH THE HULL INSERT.
11. PRESSURE PROOF CAPS ARE OPTIONAL AND MUST BE SPECIFIED IN THE PROCUREMENT DOCUMENTATION IF REQUIRED. OTHERWISE THE HULL PENETRATOR SHALL BE DELIVERED WITH PLASTIC PROTECTIVE CAPS PER ITEM 29 AND ITEM 31.
12. COVER CABLE ASSEMBLIES WITH SHRINK SLEEVING (ITEM 28) FROM APPROXIMATELY 4.0 INCHES BEYOND THE GLAND NUT TO 16.0 INCHES BEFORE THE CONNECTOR ASSEMBLY.
13. UNDEX QUALIFICATION
  - A. TEST GRADE B
  - B. TEST TYPE III
  - C. TEST LEVEL-HULL INTEGRITY
  - D. UNDEX REPORT REFERENCE
 -NUWC 92133/28, 19 MAR 1999  
 E. EHF APPROVAL LETTER- SUBMEPP 4710, Ser 1843WN/18 dated April 28, 2003.
14. THE HULL PENETRATOR BODY ASSEMBLY CONSISTS OF A HULL PENETRATOR BODY (NUSC DWG. NO. 02193002), A PENETRATOR COVER (NUSC DWG. NO. 02190003) AND A DESIGNATION PLATE (NUSC DWG. NO. 02193004).
15. FILLET RADII SHALL BE .002 TO .015 INCHES, AND CORNERS AND EDGES SHALL BE ROUNDED OR CHAMFERED .002 TO .015 INCH, UNLESS OTHERWISE SPECIFIED.
16. MARKING OF SPECIFICATION PART NUMBER SHALL BE PERMANENT AND LEGIBLE, WITH .062 TALL CHARACTERS AS SHOWN.
17. MARKING OF ELECTRICAL CONTACT LOCATIONS SHALL BE PERMANENT AND LEGIBLE, WITH .062 TALL CHARACTER AS SHOWN.
18. SEE CABLE ASSEMBLY TABLE, SHEET 2 FOR REQUIRED WIRE LENGTH.
19. INSERT ASSEMBLY SAME AS M24231/10-010 EXCEPT AS SHOWN.
20. CONTACT SPACING SHALL MEET OR EXCEED THE REQUIREMENTS OF MIL-DTL-5015, PARAGRAPH 3.4.2.6.
21. INSTALL PIN INTO HOLE USING LOCTITE 680, CAGE CODE 05972, OR EQUIVALENT ON BOTH PIN AND HOLE.
22. ITEM 11 (18 ST CONNECTOR ASSEMBLIES) SHALL BE SEPARATELY PACKAGED AND FURNISHED WITH THE PENETRATOR ASSEMBLY. THE INSTALLING ACTIVITY SHALL COMPLETE THE CONNECTION TO ITEM 24.
23. NUT ASSEMBLY CONSISTS OF NUSC DWG. NOS. 0219005, 0219013, & 0219014.

NOTE 18			M22759/16-6-0	WIRE, ELECTRICAL, ETFE INSUL 600 V, 150" C, 6 AWG, BLACK	MIL-W-22759	36
	AR	AR	N/A	EPOXY RESIN	M24231/10-010	35
	4	4	M39029/44-292	CONTACT, ELECTRICAL, CONNECTOR PIN, CRIMP, REMOVABLE	MIL-C-39029	34
	AR	AR	M24231/5-077	LOCKING INSERT	ASTM D4066 NYLON	33
NOTE 11	AR	AR	M24231/14-011	PRESSURE PROOF CAP	ASTM B150 ALUMINUM BRONZE	32
	4	4	M24231/14-011	PROTECTIVE CAP	ASTM D1784 PLASTIC	31
NOTE 11	AR	AR	M24231/12-011	PRESSURE PROOF CAP	ASTM B150 ALUMINUM BRONZE	30
	4	4	M24231/12-011	PROTECTIVE CAP	ASTM D1784 PLASTIC	29
	AR	AR	M23053/5-109-0	INSULATION SLEEVING, HEAT SHRINKABLE, .750 AS SUPPLIED, BLACK	MIL-DTL-23053 POLYOLEFIN	28
	3	3	M23053/5-109-9	INSULATION SLEEVING, HEAT SHRINKABLE, .750 AS SUPPLIED, WHITE	MIL-DTL-23053 POLYOLEFIN	27
	AR	AR	M22759/16-6-0	WIRE, ELECTRICAL, ETFE INSUL 600 V, 150" C, 6 AWG, BLACK	MIL-W-22759	26
	AR	AR	M24643/43-18UO	CABLE, ELECTRICAL, 600 VOLTS TYPE LS4SJ-16	MIL-C-24643	25
	AR	AR	M85045/22-01	CABLE, FIBER OPTIC, EIGHTEEN FIBERS TYPE 2 (OFCC) MULTIMODE	MIL-PRF-85045	24
	1	1	M83461/1-342	PACKING, PREFORMED 3.600 ID X .210 W	SAE-AWS-P-83461 SYNTH RBR	23
	1	1	M83461/1-339	PACKING, PREFORMED 3.225 ID X .210 W	SAE-AWS-P-83461 SYNTH RBR	22
	2	2	M83461/1-329	PACKING, PREFORMED 1.975 ID X .210 W	SAE-AWS-P-83461 SYNTH RBR	21
	2	2	M83461/1-220	PACKING, PREFORMED 1.359 ID X .139 W	SAE-AWS-P-83461 SYNTH RBR	20
	4	4	M83461/1-215	PACKING, PREFORMED 1.046 ID X .139 W	SAE-AWS-P-83461 SYNTH RBR	19
	2	2	M83461/1-115	PACKING, PREFORMED .674 ID X .103 W	SAE-AWS-P-83461 SYNTH RBR	18
	4	4	M83461/1-018	PACKING, PREFORMED .739 ID X .070 W	SAE-AWS-P-83461 SYNTH RBR	17
	2	2	M2742631420-041	RETAINING RING, MEDIUM DUTY, INTERNAL, 1.73 OD X .049 THK	MIL-DTL-27426	16
	4	4	80756	RETAINING RING, MEDIUM DUTY, INTERNAL, .991 OD X .031 THK	MIL-C-24231	15
	2	2	MS3401DJ32B17P	INBOARD CONNECTOR ASSEMBLY	MIL-DTL-5015	14
	2	2	M85049/10-112W	CONNECTOR, ELECTRICAL BACK SHELL SHIELD TERMINATION, CAT 1A	MIL-C-85049	13
	2	2	MS3401D16S1P	INBOARD CONNECTOR ASSEMBLY	MIL-DTL-5015	12
NOTE 22	18	18	M83522/16-DNX	SYN CONNECTOR ASSEMBLY	MIL-C-83522	11
	2	2	M24231/5-020	RECEPTACLE INSERT, MOLDED, 4-CONTACT	MIL-C-24231	10
	2	2	M24231/10-010 (MOD)	RECEPTACLE INSERT, MOLDED, 4-CONTACT	MIL-C-24231	9
	2	2	PPD 802-6337554-8.7.1-2	RECEPTACLE INSERT ASSEMBLY, 8-FIBER		8
(SS)	2	2	M24231/14-010	RECEPTACLE BODY	MIL-C-24231	7
(SS)	4	4	M24231/12-010	RECEPTACLE BODY	MIL-C-24231	6
(SS)	1	1	NUSC 02193007	GLAND NUT ASSEMBLY		5
	1	1	SHEET 7	SECONDARY SEAL ASSEMBLY		4
(SS)	1	1	NOTE 23	NUT ASSEMBLY		3
	1	1	NUSC 02193006	WASHER		2
(SS)	1	1	NOTE 14	HULL PENETRATOR BODY ASSEMBLY		1

APPROVALS		DATE	TITLE	
DRAWN			AN/WSQ-9(V)2 PENETRATOR ASSEMBLY	
CHECKED				
ENGR			SIZE	CAGE CODE
DESIGN ACTIVITY			B	53711
			DWG NO.	413-7502540
			SCALE	NONE
			CALC. WT.	ACT. WT.
			SHEET	1 OF 9

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## REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL ISSUE	4/28/2003	
B	SH 1 - ADDED SUBSAFE SYMBOL TO ITEM NOS. 5, 6 & 7. DELETED SUBSAFE SYMBOL FROM ITEM NO. 2. THIS REVISION IS AUTHORIZED BY W.C. NICHOLS, NAVSEA 0524 LIFE CYCLE ENGINEERING MANAGER FOR EHFS, SUBMEPP 1843WN BY TELECON BETWEEN W.C. NICHOLS AND W. A. CUTCHINS OF NGNN, JUNE 11, 2003. SH 2 - REVISED "REV A" TO "REV B" ON DESIGNATION PLATE.	6/11/2003	
C	SH 1 - REVISED TITLE TO CHANGE "(V)3" TO "(V)2". ADDED NOTE 22 & 23. REVISED QUANTITY OF ITEM NOS. 20 & 21. SH 2 - REVISED "REV B" TO REV "C" ON THE DESIGNATION PLATE. REVISED THE CABLE ASSEMBLY DESIGNATIONS FOR J7 & J8 ON BOTH CABLE ASSEMBLY TABLES. REVISED THE NOM. LENGTH FROM 50 FT TO 75 FT FOR CABLE ASSEMBLIES R-CS3138 AND R-CS3140 IN THE CABLE ASSEMBLY TABLES. ADDED NOTE 22. DELETED NOTE 12 FROM CABLE TYPE 24 & 25. SH 6 - REVISED THE UNIT B TERMINATION FOR CABLE NO. R-CS3137A FROM J1 TO J3. REVISED THE UNIT B TERMINATION FOR CABLE NO. R-CS3136A FROM J3 TO J1.	2/17/04	

PRELIMINARY 010718

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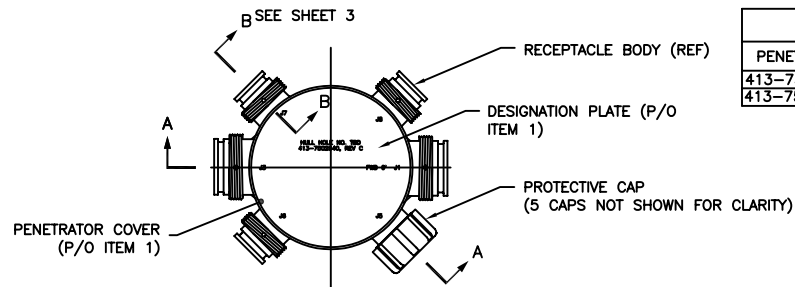
SIZE	CAGE CODE	DWG NO.	REV
B	53711	7502540	C
SCALE		CALC. WT	ACT. WT
			SHEET 1A

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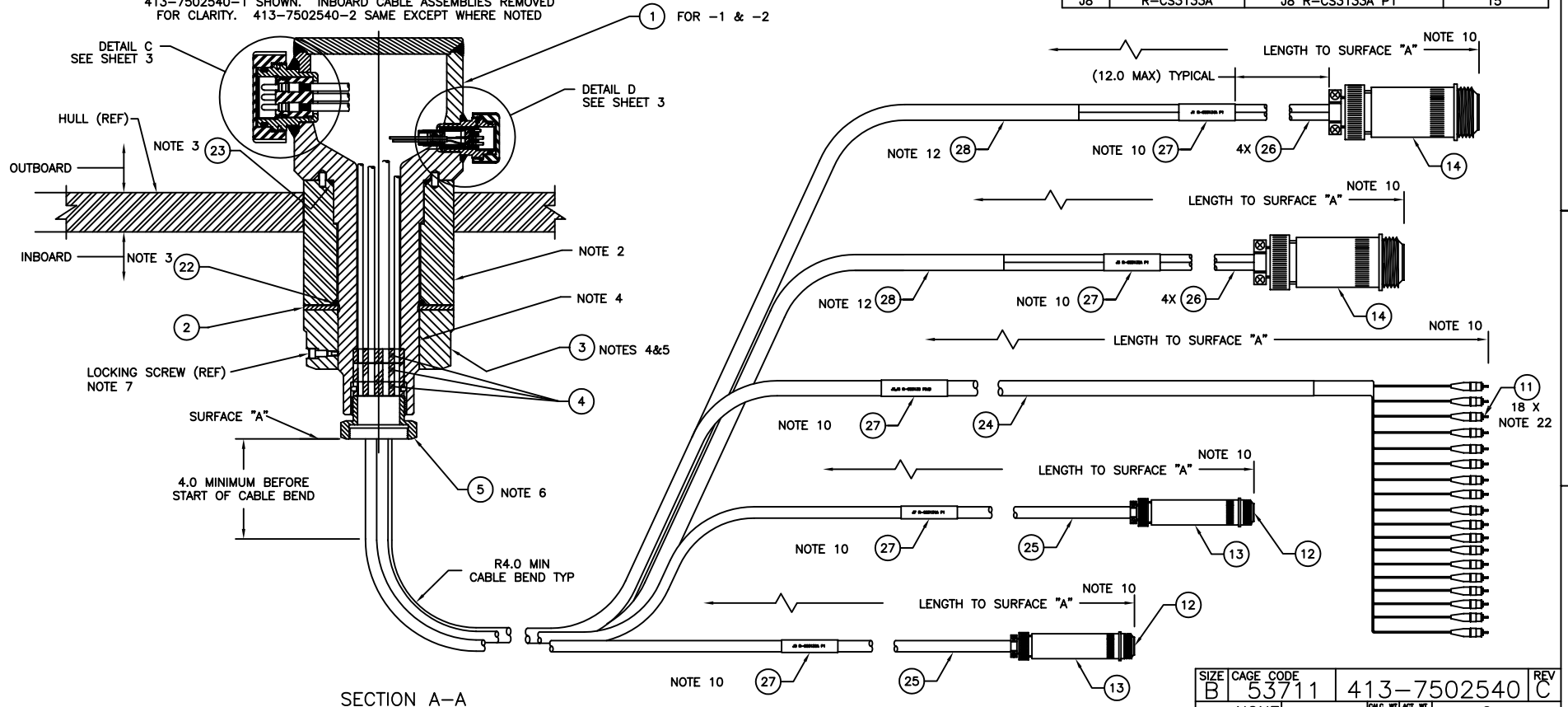
### WSQ-9 PENETRATOR ASSEMBLY

413-7502540-1 SHOWN. INBOARD CABLE ASSEMBLIES REMOVED FOR CLARITY. 413-7502540-2 SAME EXCEPT WHERE NOTED

PENETRATOR LOCATION TABLE	
PENETRATOR ASSEMBLY	HULL HOLE LOCATION
413-7502540-1	H-FWD-TBD
413-7502540-2	H-AFT-TBD

CABLE ASSEMBLY TABLE			
JACK #	CABLE ASSEMBLY	CABLE BAND LABEL	NOM. LENGTH (FT)
J1	R-CS3134A	J1 R-CS3134A P1	15
J3	R-CS3135A	J3 R-CS3135A P1	15
J5	R-CS3138	J5,J6 R-CS3138 FOJB	75
J7	R-CS3130A	J7 R-CS3130A P1	15
J8	R-CS3131A	J8 R-CS3131A P1	15

CABLE ASSEMBLY TABLE			
JACK #	CABLE ASSEMBLY	CABLE BAND LABEL	NOM. LENGTH (FT)
J1	R-CS3136A	J1 R-CS3136A P1	15
J3	R-CS3137A	J3 R-CS3137A P1	15
J5	R-CS3140	J5,J6 R-CS3140 FOJB	75
J7	R-CS3132A	J7 R-CS3132A P1	15
J8	R-CS3133A	J8 R-CS3133A P1	15



SECTION A-A

SIZE	CAGE CODE	REV
B	53711	413-7502540
SCALE	NONE	SHEET 2

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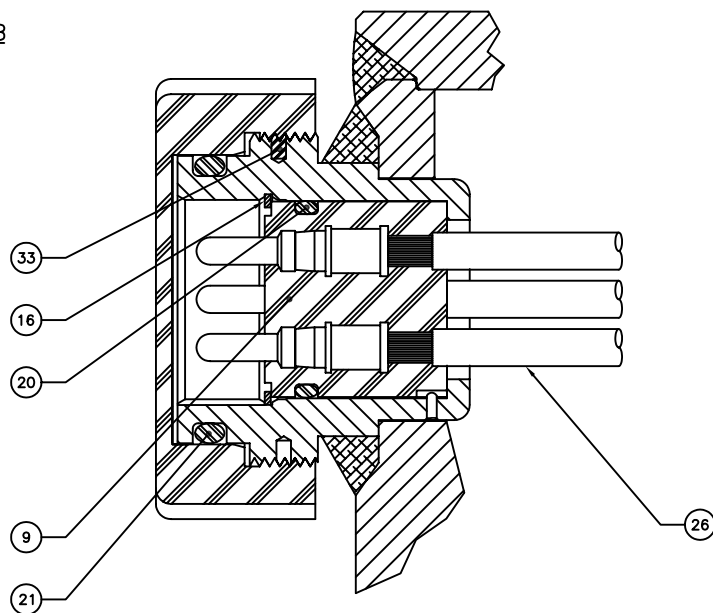
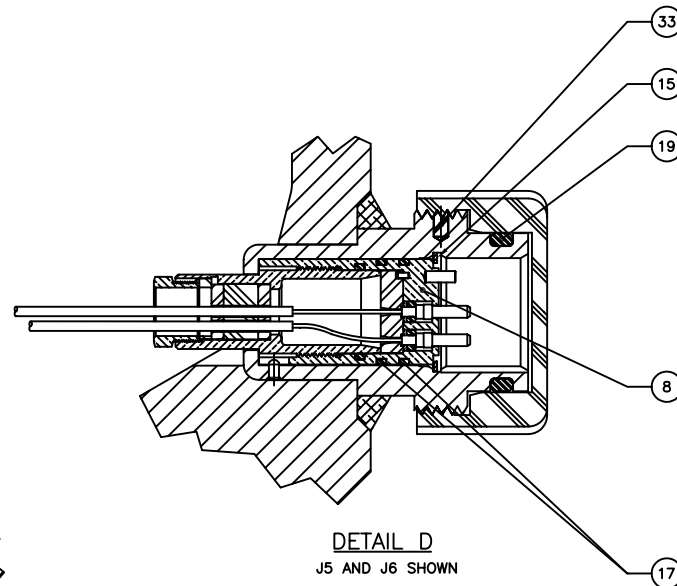
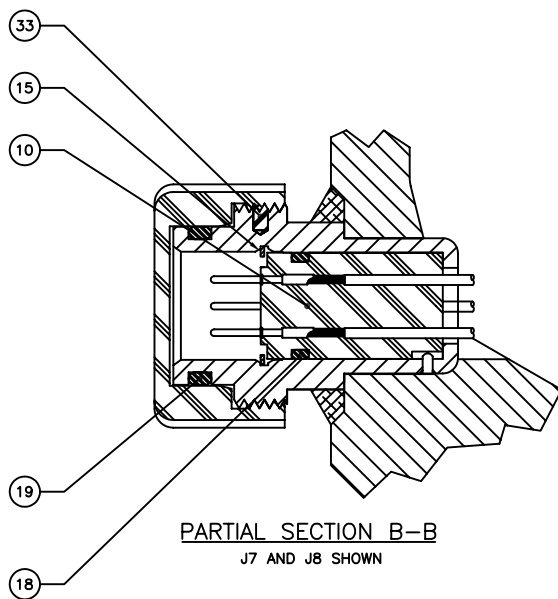
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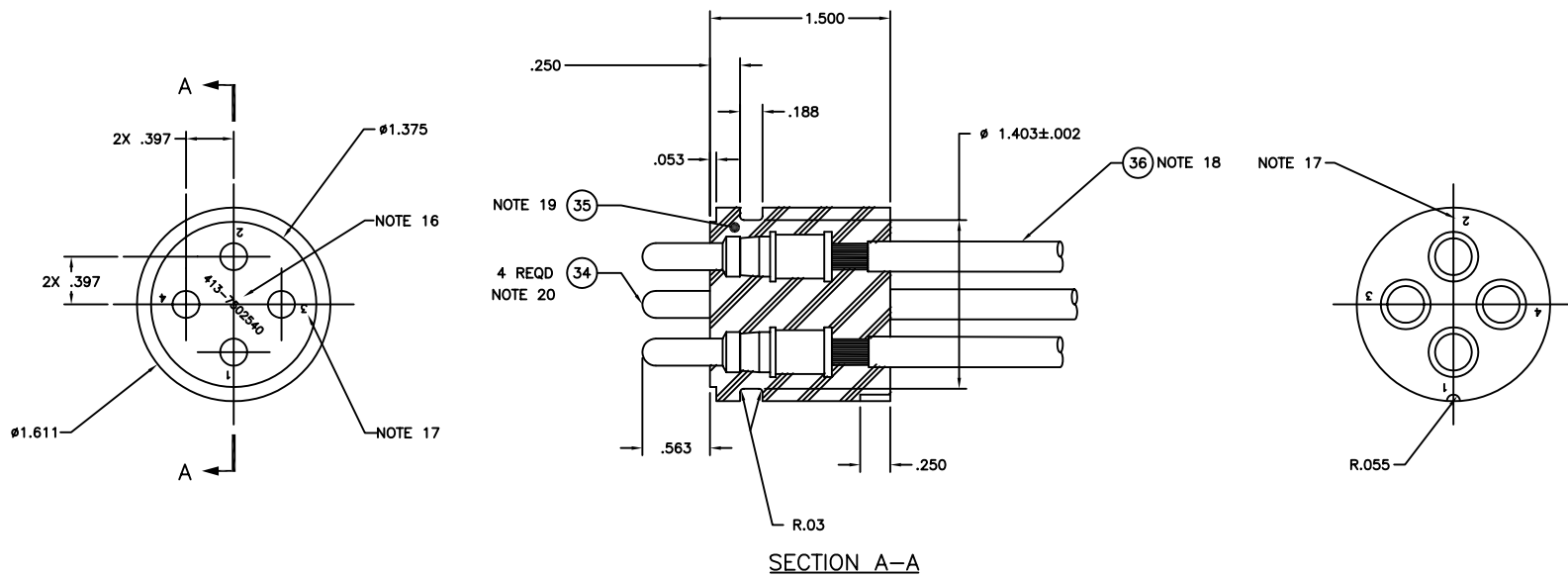
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SIZE	CAGE CODE	DWG. NO.	REV
B	53711	413-7502540	A
SCALE	NONE	CALC. WT.	ACT. WT.
		SHEET 3	



RECEPTACLE INSERT ASSEMBLY,  
MOLDED, 4-CONTACT  
NOTE 15 & 19  
ITEM NO. 9

SIZE	CAGE CODE	DWG NO.	REV
B	53711	413-7502540	A
SCALE	NONE	QULD. WT. ACT. WT.	SHEET 4



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CABLE NO: R-CS3134A		CABLE TYPE: M22759/16-6-0	
UNIT INBOARD CABLE ASSEMBLY A R-CS3134A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3164 P1	
TERMN. CONN. MS3401DJ32B17P		TERMN. CONN. M24231/14-001	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION
1	BLK	P1-A	J1-1
2	BLK	P1-B	J1-2
3	BLK	P1-C	J1-3
4	BLK	P1-D	J1-4
FUNCTION			
FWD STBD OTAA 270 ±40 V #1			
FWD STBD OTAA 270 ±40 V RTN #1			
FWD STBD OTAA 270 ±40 V #2			
FWD STBD OTAA 270 ±40 V RTN #2			

CABLE NO: R-CS3135A		CABLE TYPE: M22759/16-6-0	
UNIT INBOARD CABLE ASSEMBLY A R-CS3135A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3165-P3	
TERMN. CONN. MS3401DJ32B17P		TERMN. CONN. M24231/14-001	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION
1	BLK	P1-A	J3-1
2	BLK	P1-B	J3-2
3	BLK	P1-C	J3-3
4	BLK	P1-D	J3-4
FUNCTION			
FWD PORT OTAA 270 ±40 V #1			
FWD PORT OTAA 270 ±40 V RTN #1			
FWD PORT OTAA 270 ±40 V #2			
FWD PORT OTAA 270 ±40 V RTN #2			

CABLE NO: R-CS3131A		CABLE TYPE: M24643/43-18UO (LS4SJ-16)	
UNIT INBOARD CABLE ASSEMBLY A R-CS3131A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3161-P8	
TERMN. CONN. MS3401DJ161P & M85049/10-112W		TERMN. CONN. M24231/5-020	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION
1	BLK	P1-A	J8-1
2	WHT	P1-B	J8-2
3	RED	P1-D	J8-3
4	GRN	P1-E	J8-4
5	SHIELD	NOTE 1	NA
FUNCTION			
FWD STBD OTAA 290±60 V			
FWD STBD OTAA 290±60 V RTN			
FWD STBD OTAA LEAK DETECT HIGH			
FWD STBD OTAA LEAK DETECT RTN			
NOTE 1: TIE TO 360° EMI BACKSHELL.			

CABLE NO: R-CS3130A		CABLE TYPE: M24643/43-18UO (LS4SJ-16)	
UNIT INBOARD CABLE ASSEMBLY A R-CS3130A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3160-P2	
TERMN. CONN. MS3401DJ161P & M85049/10-112W		TERMN. CONN. M24231/5-020	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION
1	BLK	P1-A	J7-1
2	WHT	P1-B	J7-2
3	RED	P1-D	J7-3
4	GRN	P1-E	J7-4
5	SHIELD	NOTE 1	NA
FUNCTION			
FWD PORT OTAA 290±60 V			
FWD PORT OTAA 290±60 V RTN			
FWD PORT OTAA LEAK DETECT HIGH			
FWD PORT OTAA LEAK DETECT RTN			
NOTE 1: TIE TO 360° EMI BACKSHELL.			

CABLE NO: R-CS3138		CABLE TYPE: M85045/22-01	
UNIT INBOARD CABLE ASSEMBLY A R-CS3138-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3168 & R-CS3169	
TERMN. CONN. M28876/5F11S1		TERMN. CONN.	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION
1	1-BLUE	FOJB-85	J6-1
2	2-ORANGE	FOJB-93	J6-2
3	3-GREEN	FOJB-76	J6-3
4	4-BROWN	FOJB-68	J6-4
5	5-SLATE	FOJB-69	J6-5
6	6-WHITE	FOJB-77	J6-6
7	7-RED	FOJB-92	J6-7
8	8-BLACK	FOJB-84	J6-8
9	9-YELLOW	FOJB-82	J5-1
10	10-VIOLET	FOJB-90	J5-2
11	11-ROSE	FOJB-73	J5-3
12	12-AQUA	FOJB-65	J5-4
13	13-BLUE/BLACK	FOJB-66	J5-5
14	14-ORANGE/BLACK	FOJB-74	J5-6
15	15-GREEN/BLACK	FOJB-89	J5-7
16	16-BROWN/BLACK	FOJB-81	J5-8
17	17-SLATE/BLACK	-	-
18	18-WHITE/BLACK	-	-
FUNCTION			
FWD PORT OTAA TX (F/U)			
FWD PORT OTAA RX (F/U)			
FWD PORT OTAA PRI TX/ISP RX			
FWD PORT OTAA PRI RX/ISP TX			
FWD PORT OTAA SPARE 1			
FWD PORT OTAA SPARE 2			
FWD PORT OTAA SEC TX/ISP RX			
FWD PORT OTAA SEC RX/ISP TX			
FWD STBD OTAA TX (F/U)			
FWD STBD OTAA RX (F/U)			
FWD STBD OTAA PRI TX/ISP RX			
FWD STBD OTAA PRI RX/ISP TX			
FWD STBD OTAA SPARE 1			
FWD STBD OTAA SPARE 2			
FWD STBD OTAA SEC TX/ISP RX			
FWD STBD OTAA SEC RX/ISP TX			
NOT USED. TIE BACK BOTH ENDS			
NOT USED. TIE BACK BOTH ENDS			

## WIRING TABLES

SIZE	CAGE CODE	DWG NO.	REV
B	53711	413-7502540	A
SCALE	NONE	CALC. WT. ACT. WT.	SHEET 5

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CABLE NO: R-CS3137A		CABLE TYPE: M22759/16-6-0	
UNIT INBOARD CABLE ASSEMBLY A R-CS-3137A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3137A-P2	
TERMN. CONN. MS3401DJ32B17P		TERMN. CONN.	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION      FUNCTION
1	BLK	P1-A	J3-1      AFT STBD OTAA 270 $\pm$ 40 V #1
2	BLK	P1-B	J3-2      AFT STBD OTAA 270 $\pm$ 40 V RTN #1
3	BLK	P1-C	J3-3      AFT STBD OTAA 270 $\pm$ 40 V #2
4	BLK	P1-D	J3-4      AFT STBD OTAA 270 $\pm$ 40 V RTN #2

CABLE NO: R-CS3136A		CABLE TYPE: M22759/16-6-0	
UNIT INBOARD CABLE ASSEMBLY A R-CS3136A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3136A-P2	
TERMN. CONN. MS3401DJ32B17P		TERMN. CONN.	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION      FUNCTION
1	BLK	P1-A	J1-1      AFT PORT OTAA 270 $\pm$ 40 V #1
2	BLK	P1-B	J1-2      AFT PORT OTAA 270 $\pm$ 40 V RTN #1
3	BLK	P1-C	J1-3      AFT PORT OTAA 270 $\pm$ 40 V #2
4	BLK	P1-D	J1-4      AFT PORT OTAA 270 $\pm$ 40 V RTN #2

CABLE NO: R-CS3133A		CABLE TYPE: M24643/43-18UO (LS4SJ-16)	
UNIT INBOARD CABLE ASSEMBLY A R-CS3133A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3133A-P2	
TERMN. CONN. MS3401DJ161P & M85049/10-112W		TERMN. CONN. M24231/5-020	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION      FUNCTION
1	BLK	P1-A	J8-1      AFT STBD OTAA 290 $\pm$ 60 V
2	WHT	P1-B	J8-2      AFT STBD OTAA 290 $\pm$ 60 V RTN
3	RED	P1-D	J8-3      AFT STBD OTAA LEAK DETECT HIGH
4	GRN	P1-E	J8-4      AFT STBD OTAA LEAK DETECT RTN
5	SHIELD	NOTE 1	NA      NA
NOTE 1: TIE TO 360° EMI BACKSHELL.			

CABLE NO: R-CS3132A		CABLE TYPE: M24643/43-18UO (LS4SJ-16)	
UNIT INBOARD CABLE ASSEMBLY A R-CS3132A-P1		UNIT OUTBOARD CABLE ASSEMBLY B R-CS3132A-P2	
TERMN. CONN. MS3401DJ161P & M85049/10-112W		TERMN. CONN. M24231/5-020	
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION      FUNCTION
1	BLK	P1-A	J7-1      AFT PORT OTAA 290 $\pm$ 60 V
2	WHT	P1-B	J7-2      AFT PORT OTAA 290 $\pm$ 60 V RTN
3	RED	P1-D	J7-3      AFT PORT OTAA LEAK DETECT HIGH
4	GRN	P1-E	J7-4      AFT PORT OTAA LEAK DETECT RTN
5	SHIELD	NOTE 1	NA      NA
NOTE 1: TIE TO 360° EMI BACKSHELL.			

CABLE NO: R-CS3140			CABLE TYPE: M85045/22-01		
UNIT INBOARD CABLE ASSEMBLY A R-CS3140-P1			UNIT OUTBOARD CABLE ASSEMBLY B		
TERMN. CONN. M28876/5F11S1			TERMN. CONN.		
LINE	WIRE IDENTIFICATION	UNIT A TERMINATION	UNIT B TERMINATION	FUNCTION	
1	1-BLUE	FOJB-85	J6-1	FWD PORT OTAA TX (F/U)	
2	2-ORANGE	FOJB-93	J6-2	FWD PORT OTAA RX (F/U)	
3	3-GREEN	FOJB-76	J6-3	FWD PORT OTAA PRI TX/ISP RX	
4	4-BROWN	FOJB-68	J6-4	FWD PORT OTAA PRI RX/ISP TX	
5	5-SLATE	FOJB-69	J6-5	FWD PORT OTAA SPARE 1	
6	6-WHITE	FOJB-77	J6-6	FWD PORT OTAA SPARE 2	
7	7-RED	FOJB-92	J6-7	FWD PORT OTAA SEC TX/ISP RX	
8	8-BLACK	FOJB-84	J6-8	FWD PORT OTAA SEC RX/ISP TX	
9	9-YELLOW	FOJB-82	J5-1	FWD STBD OTAA TX (F/U)	
10	10-VIOLET	FOJB-90	J5-2	FWD STBD OTAA RX (F/U)	
11	11-ROSE	FOJB-73	J5-3	FWD STBD OTAA PRI TX/ISP RX	
12	12-AQUA	FOJB-65	J5-4	FWD STBD OTAA PRI RX/ISP TX	
13	13-BLUE/BLACK	FOJB-66	J5-5	FWD STBD OTAA SPARE 1	
14	14-ORANGE/BLACK	FOJB-74	J5-6	FWD STBD OTAA SPARE 2	
15	15-GREEN/BLACK	FOJB-89	J5-7	FWD STBD OTAA SEC TX/ISP RX	
16	16-BROWN/BLACK	FOJB-81	J5-8	FWD STBD OTAA SEC RX/ISP TX	
17	17-SLATE/BLACK			NOT USED. TIE BACK BOTH ENDS	
18	18-WHITE/BLACK			NOT USED. TIE BACK BOTH ENDS	
19				NOT USED.	

## WIRING TABLES

SIZE	CAGE CODE	DWG NO.	REV
B	53711	413-7502540	C
SCALE	NONE	CALC. WT.	ACT. WT.
		SHEET	6

4

3

2

1

4

3

2

1

D

D

① HULL PENETRATOR BODY (REF)

① (SHEET 8)

② (SHEET 8)

③ (SHEET 9)

④ 2 REQD (SHEET 9)

⑥ GLAND NUT ASSEMBLY (REF)

C

C

B

B

A

A

SECONDARY SEAL ASSEMBLY

SIZE	CAGE CODE	DWG. NO.	REV
B	53711	413-7502540	A
SCALE NONE		QALD. WT. ACT. WT.	SHEET 7

4

3

2

1

4

3

2

1

D

D

C

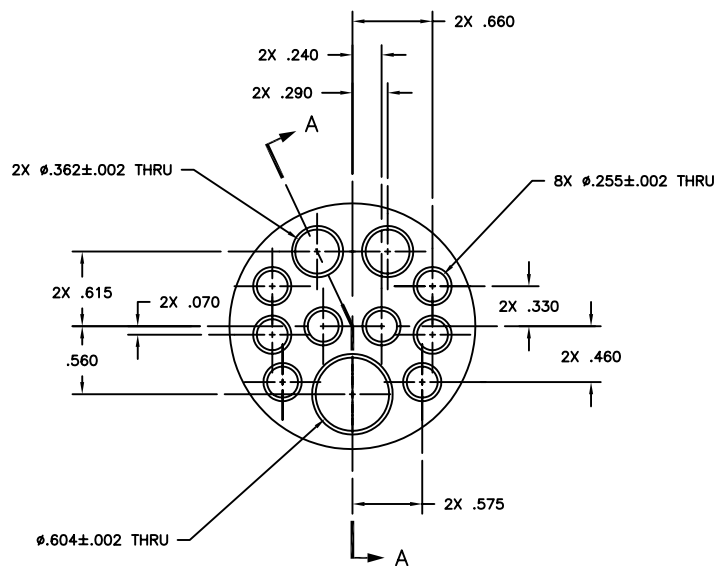
C

B

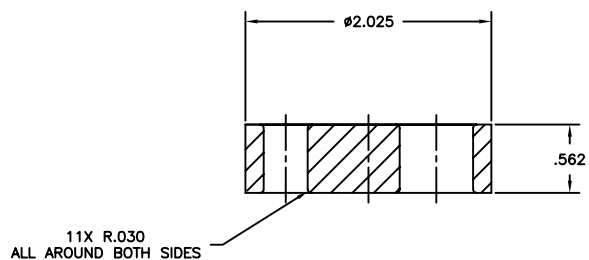
B

A

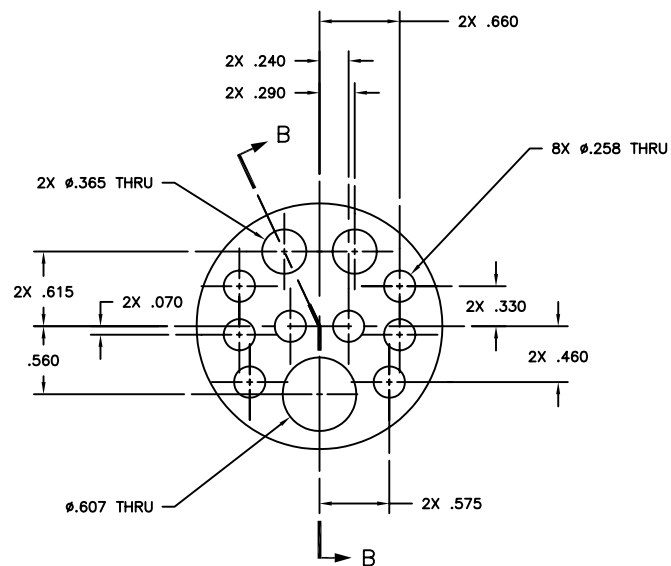
A



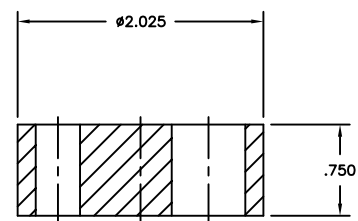
OUTBOARD RETAINER (1)  
SEE SHEET 7



SECTION A-A



PACKING (2)  
SEE SHEET 7



SECTION B-B

SIZE	CAGE CODE	DWG. NO.	REV
B	53711	413-7502540	A
SCALE FULL		QALD. WT. ACT. WT.	SHEET 8

4

3

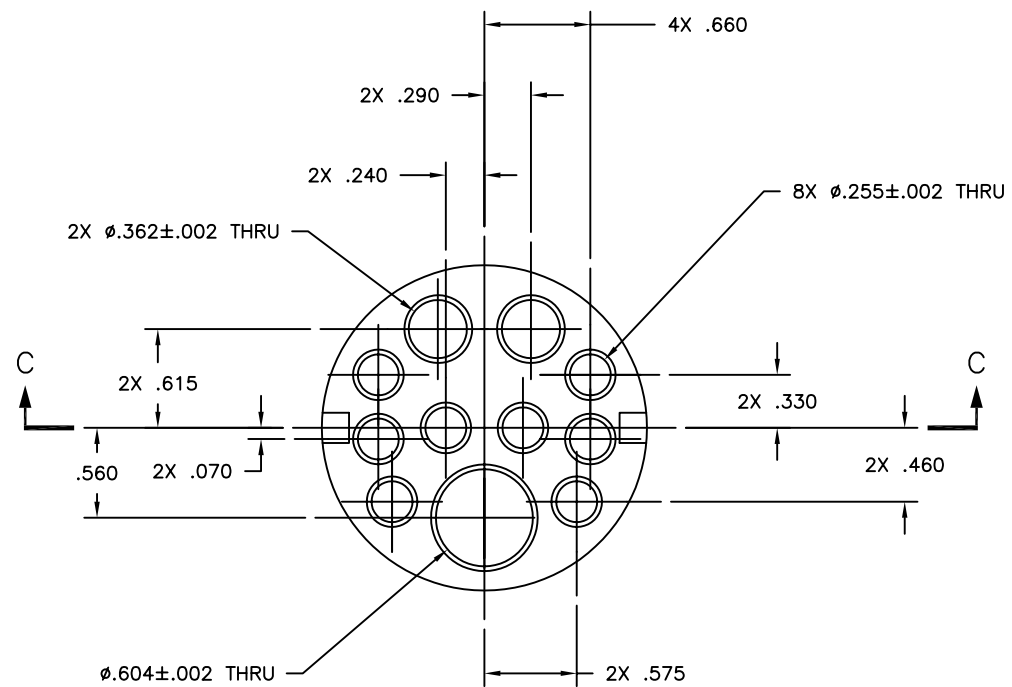
2

1

4 3 2 1

D

D



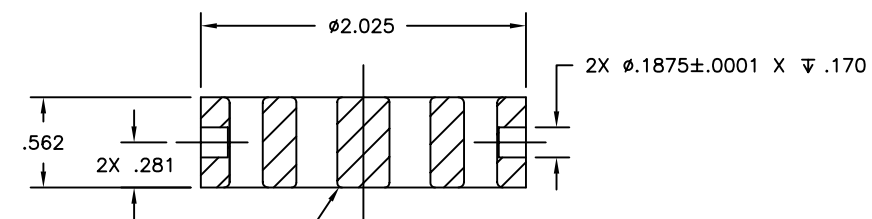
C

C

INBOARD RETAINER (3)  
SEE SHEET 7

B

B

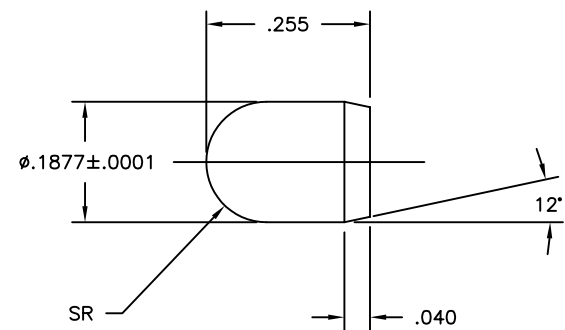


11X R.030 ALL  
AROUND BOTH SIDES

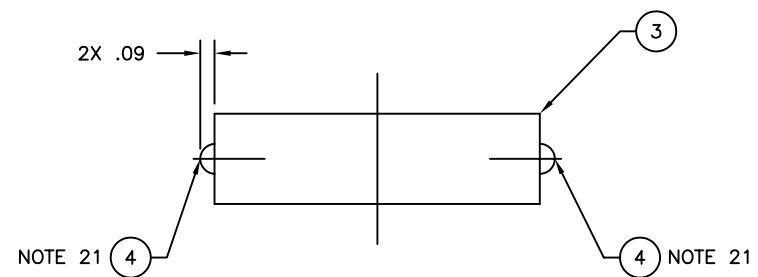
SECTION C-C

A

A



POSITIONING PIN (4)  
SCALE 4:1



INBOARD RETAINER ASSEMBLY

SIZE	CAGE CODE	DWG NO.	REV
B	53711	413-7502540	A
SCALE FULL		CALC. WT. ACT. WT.	SHEET 9

4 3 2 1

## **PROCUREMENT SPECIFICATION**

### **ELECTRICAL HULL PENETRATOR, HIGH POWER, STEADY STATE, FIBER OPTIC INTERCONNECTION FOR SIGNAL ANALYSIS SYSTEM, AN/WSQ-9 (V)2**

**NAVSEA NO. 413-7502540  
REVISION: A**

**ISSUED:**

**UNCLASSIFIED**

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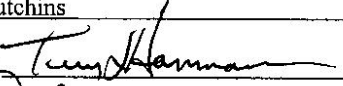

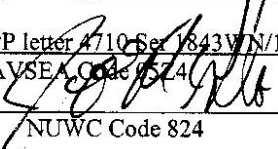
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PROCUREMENT SPECIFICATION  
ELECTRICAL HULL PENETRATOR, HIGH POWER,  
STEADY STATE, FIBER OPTIC INTERCONNECTION  
FOR SIGNAL ANALYSIS SYSTEM  
AN/WSQ-9 (V)2


NAVSEA NO. 413-7502540

INITIAL REVISION

NEWPORT NEWS SHIPBUILDING  
Submarine Engineering Electrical – E13

Written by: <u>R.A. Swain</u>	Date: <u>2/11/03</u>
Reviewed by: <u>W.A. Cutchins</u>	Date: <u>2/14/03</u>
Engineering Approval: <u></u>	Date: <u>10/2/03</u>
Authorized: <u></u>	Date: <u>10/6/03</u>
Approved: <u>SUBMEPP letter 4710 Ser 1843 V N/18</u> <u>NAVSEA Code 824</u>	Date: <u>4/28/2003</u>
Reviewed for Issue: <u></u> <u>NUWC Code 824</u>	Date: <u>3/31/04</u>

REVISION RECORD

REV	DESCRIPTION OF REVISION	NUWC	
		APPROVED	DATE
A	Added: Section 3.2.11 <u>Hull inserts</u> Revised: Figure 1.		16 JUN 04



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- 1.0 Scope. This specification delineates the top-level performance, interface, material, qualification, quality conformance, and drawings, for the combined electrical hull penetrator for the AN/WSQ-9 (V)2 Signal Analysis System.
- 1.1 Purpose. This specification provides the minimum top level requirements for a combined high power, steady state, fiber optic electrical hull penetrator assembly for use with the Signal Analysis System, AN/WSQ-9 (V)2.
- 1.2 Application. The combined hull penetrator specified herein is intended to be used in conjunction with Ship Alteration (ShipAlt) No. 4238K.

## 2.0 APPLICABLE DOCUMENTS

- 2.1 Order of Precedence. Unless otherwise noted, in the event of a conflict between the requirements of this specification and those referenced herein, this specification shall take precedence. Nothing in this specification, however, shall supercede applicable laws and regulations.
- 2.2 Issue of Documents. Unless otherwise specified, the latest revision of the following documents shall be applicable to this specification on the date of invitation for bid, or request for proposal.

### 2.2.1 Military Specifications

- |                    |  |
|--------------------|--|
| 1. PPD 802-6337554 | Fiber Optic, Fiber Optic/Electrical Hybrid Hull Penetrator Specification   |
| 2. MIL-DTL-5015    | Connectors, Electrical, Circular Threaded, AN Type General Specification For   |
| 3. MIL-W-22759     | Wire, Electrical, Fluoropolymer-Insulated, Copper or Copper Alloy  |
| 4. MIL-DTL-23053   | Insulation Sleeving, Electrical, Heat Shrinkable, General Specification For  |
| 5. MIL-C-24231     | Connectors, Plugs, Receptacles, Adapters, Hull Inserts, and Hull Insert Plugs, Pressure-Proof, General Specification For |

- |                  |  |
|------------------|--|
| 6. MIL-C-24643   | Cable and Cords, Electric, Low Smoke, For Shipboard Use, General Specification For |
| 7. MIL-C-83522   | Connectors, Fiber Optic, Single Terminus, General Specification For                |
| 8. MIL-PRF-85045 | Cables, Fiber Optics, (Metric), General Specification For                          |

#### 2.2.2 Military Standards

- |                 |  |
|-----------------|--|
| 1. DOD-STD-2003 | Electric Plant Installation Standard Methods                             |
| 2. MIL-STD-2042 | Fiber Optic Cable Topology Installation Standard Methods for Naval Ships |

#### 2.2.3 Military Handbooks

- |              |   |
|--------------|---|
| MIL-HDBK-454 | General Guidelines for Electronic Equipment |
|--------------|---|

#### 2.2.4 Military Technical Manuals

- |                                 |  |
|---------------------------------|--|
| 1. NAVSEA S9510-AB-ATM-010/(U)  | Nuclear Powered Submarine Atmosphere Control Manual                          |
| 2. NAVSEA 0924-062-0010         | Submarine Safety (Subsafe) Requirements Manual                               |
| 3. NAVSEA T9074-AD-GIB-011/1688 | Requirements for Fabrication, Welding, and Inspection of Submarine Structure |

#### 2.2.5 SAE Specifications

- |             |  |
|-------------|--|
| AMS-P-83461 | Packing, Preformed, Petroleum Hydraulic Fluid Resistant, Improved Performance at 275°F (135°C) |
|-------------|--|

### 3.0 REQUIREMENTS

The combined hull penetrator furnished under this specification shall meet or exceed all of the requirements delineated herein. Referenced documents are invoked only to the extent specified herein and shall be in accordance with the requirements of Section 2.0 of this specification.

- 3.1 Qualification. Penetrators furnished under this specification shall be products which have been tested and have passed the First Article tests specified herein.
- 3.2 Materials. Materials shall conform to the specifications listed herein, listed in specification sheets, or listed in other specifications required herein.
- 3.2.1 Material Control Objective Quality Evidence. Sufficient material identification and control procedures shall be provided to assure that the final product conforms to the material requirements of this specification or specifications referenced herein. Material identity traceable to objective evidence shall be maintained throughout the manufacturing process. See Section 2.2.1.5, paragraph 3.3.1.1.
- 3.2.1.1 Pressure Boundary Material. The primary pressure boundary components require material control objective quality evidence as follows:
- (a) Penetrator Body, Nut and Washer – Chemical analysis and mechanical properties, traceable from the serial number on the final product.
  - (b) Receptacle Bodies – Certification of conformance that the material furnished is in accordance with this specification.
  - (c) Fiber Optic Insert – Chemical analysis and mechanical properties, traceable from the serial number on the final product.
- The above documentation shall be supplied with every penetrator body, receptacle body, nut and washer shipped.
- 3.2.1.2 Non-Pressure Boundary Material. Material control objective quality evidence for non-pressure boundary components (all parts other than the penetrator body, receptacle bodies, nut, and washer) shall, as a minimum, consist of certification that the material being furnished is in accordance with this specification.
- 3.2.2 Penetrator Body, Connector Bodies, Nuts, and Washers. Penetrator bodies, connector bodies, nuts, and washers shall be fabricated from material as required by Section 2.2.1.5, paragraph 3.3.2 and NAVSEA letter Serial 05M2/007 dated 16 Feb 2001.
- 3.2.2.1 Receptacle Bodies and Retainer Plates. Receptacle bodies and retainer plates shall be fabricated from material as required by Section 2.2.1.5.

- 3.2.2.2 Material Control Objective Quality Evidence for Age Hardened K-Monel. Objective quality evidence consisting of chemical analysis and mechanical properties based on age hardened test coupons for each heat and lot of material for age hardened nickel-copper-aluminum (K-Monel) alloy primary pressure boundary components shall be furnished.
- 3.2.3 Pin Contacts. See Section 2.2.1.5, paragraph 3.3.4.1.
- 3.2.4 Fiber Optic Termini. See Section 2.2.1.1.
- 3.2.5 Receptacle Insert Assembly. See Section 2.2.1.1.
- 3.2.6 Molded Inserts. See Sections 2.2.1.1 & 2.2.1.5.
- 3.2.7 O-ring Packing. See Sections 2.2.1.1 & 2.2.1.5.
- 3.2.8 Caps and Sealing Plugs. See Sections 2.2.1.1 & 2.2.1.5.
- 3.2.9 Prohibited Materials. Asbestos, cadmium and mercury shall not be used in construction of pressure-proof fittings covered by this specification. Materials identified in Appendix A of Section 2.2.4.1, as well as other materials prohibited for use in submarines, shall not be used.
- 3.2.10 Hazardous Materials Reduction. The use of materials listed in Table 1 shall be minimized in the AN/WSQ-9(V)2 manufacturing process.
- 3.2.11 Hull Inserts. Each electrical hull penetrator shall be furnished with a Type VII hull insert. The hull insert shall be manufactured in accordance with the requirements of Section 2.2.1.5 and M24231/25-003. Two dowel pins in accordance with MIL-C-24231/25D shall be provided with each hull insert. The requirements of Section 2.2.4.2 shall be met. All pressure hull material shall be traceable in accordance with Section 2.2.4.3. The testing of the hull inserts shall be in accordance with Table I of Section 2.2.1.5.
- 3.3 Construction. The construction of connector bodies, nuts, washers, receptacle bodies and retainer plates shall comply with Sections 2.2.1.1 and 2.2.1.5, paragraph 3.4.
- 3.4. Performance. The performance of combined pressure-proof fittings shall be in accordance with Section 2.2.1.1, paragraph 3.3 and 2.2.1.5, paragraph 3.5. The maximum fiber optic loss of this assembly shall not exceed 1.8 dB when measured in accordance with Section 2.2.1.1.

- 3.5 Marking. The marking of combined pressure-proof fittings shall be in accordance with Section 2.2.1.5, paragraph 3.6 except as noted herein.
- 3.6 Workmanship. The workmanship of combined pressure-proof fittings shall be in accordance with Section 2.2.1.1, paragraph 3.3, Section 2.2.1.5, paragraph 3.7 and Section 2.2.3.

#### 4. QUALITY ASSURANCE PROVISIONS

- 4.1 Responsibility for Inspection. Unless otherwise specified, the vendor is responsible for the performance of all inspection requirements as specified herein. The procuring activity reserves the right to perform any of the inspections set forth in the specifications where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.
- 4.2 Classification of Inspections. The inspection requirements specified herein are classified as follows:
  - (a) First Article Inspection (see 4.3)
  - (b) Quality conformance inspection
- 4.3 First Article Inspection. First article inspection shall be performed on sample units which have been produced with equipment and procedures normally used in production. When specified, a first article inspection report shall be prepared.
  - 4.3.1 Sample Size. One complete pressure-proof fitting assembly shall be subjected to first article inspection.
  - 4.3.2 Inspection Routine. Samples shall be subjected to the first article inspection specified in table I of Section 2.2.1.5 for Type IV test articles, and Test Sequence 9 and 10 of Table 4-1 of Section 2.2.1.1. Underwater Explosion Testing is not required.
- 4.4 Quality Conformance Inspection.
  - 4.4.1 Inspection of Product for Delivery. Inspection of product for delivery shall consist of groups A and B quality conformance inspections specified in Table I of Section 2.2.1.5. See additional requirements in 2.2.1.1, paragraphs 4.3.9, 4.3.10, 4.3.11 and Section 9.0.
- 4.5. Material Control Objective Quality Evidence.

See the requirements of Section 2.2.1.5, paragraph 4.5.1.

4.6 Inspection of Packaging. See Section 2.2.1.5, paragraph 4.8.

5. PACKAGING

See Section 2.2.1.5, paragraph 5.

6. NOTES

6.1 Intended Use. The pressure-proof fittings and hull inserts covered in this specification are primarily intended for use on Naval submarines to provide watertight integrity. They are to be used as hull and bulkhead fittings for electrical and fiber optic penetrations thereof. See Section 2.2.1.1 & 2.2.1.5.

6.2 Ordering Data. The combined EHF shall consist of the parts defined in Sections 2.2.1.1, 2.2.1.5 & Figure 1. Hull hole numbers will be provided in the ordering data.

TABLE 1 - HAZARDOUS MATERIALS

1.	1,1,1-Trichloroethane	27.	Chromium	53.	Notrosamine
2.	1,1,2-Trichloro-1,2,2-trifluoroethane	28.	DDT	54.	Nitrous Dimethylamine
3.	2-Methoxyethanol	29.	Dichlorobenzene	55.	Ortho-Chloroaniline
4.	2-Nitropropane	30.	Dimethylaminoazobenzene	56.	Paradichlorobenzene
5.	4,4 Dimethylaniline	31.	Ethyl Alcohol	57.	Phenol
6.	Acetone	32.	Ethylene Dichloride	58.	Polychlorinated Biphenyls
7.	Acetylamine Benzene	33.	Ethylene Glycol	59.	Pyridine
8.	Acrylonitrile	34.	Ethylene Oxide	60.	Selenium
9.	Alpha Naphthylamine	35.	Ethyleneimine	61.	Silver
10.	Aminobiphenyl	36.	Formaldehyde	62.	Sodium Arsenite
11.	Aniline	37.	Hydrazine	63.	Sodium Chromate
12.	Arsenic	38.	Hydrochloric Acid	64.	Sulfamic Acid
13.	Asbestos	39.	Hydrogen Cyanide	65.	Tetrachloroethane
14.	Benzene	40.	Isocyanates	66.	Tetrachloroethylene
15.	Benzene Hexachloride	41.	Lead	67.	Tetraethyl Phosphate
16.	Benzidine	42.	Lithium Hydroxide	68.	Toluene
17.	Beryllium	43.	Mercury	69.	Toluene Diisocyanate
18.	Beta Naphthylamine	44.	Methanol	70.	Trichloroethylene
19.	Beta Propiolactone	45.	Methoxychlor (DMDT)	71.	Trichloroisocyanuric
20.	Bromine	46.	Methyl Bromide	72.	Tri-N-Butyl Tin Hydride
21.	Cadmium	47.	Methyl Ethyl Ketone	73.	Triorthocresylphosphate
22.	Calcium Hypochlorite	48.	Methylene Chloride	74.	Vinyl Chloride
23.	Carbon Disulfide	49.	Methylenebis (2-Chloroaniline	75.	Xylene (mixed isomers)
24.	Carbon Tetrachloride	50.	Monoethanolamine	76.	Zinc Chromate
25.	Chlorine	51.	Nickel		
26.	Chloroform	52.	Nitrobiphenyl		



**JA12 COMMENTS IN THE INTEREST OF COMPETITION**

The Competition Advocate (CA) of the Naval Undersea Warfare Center (NUWC) Division, Newport is charged with maximizing competition for NUWCDIVNPT procurements. In pursuit of this goal, the CA seeks to ensure that all competitive solicitations are formed in such manner as to not be unduly restrictive, and to be feasibly performed by several competitors.

Parties with suggestions regarding means by which NUWCDIVNPT can increase competition are encouraged to submit letters to:

Naval Undersea Warfare Center Division, Newport  
Competition Advocate, Code 59, Building 11  
Simonpietri Drive  
Newport, RI 02841-1708

The CA especially desires information regarding aspects of NUWCDIVNPT solicitations which have influenced firms' decisions not to propose. If suggestions relate to specific solicitations, please include relevant extracts.

Comments requested herein are for planning purposes only; parties wishing to affect current solicitations should contact the Contracting Officer.